

Photoshop CS2 In Pictures

by Ellen Pickels



in pictures

www.inpics.net

Photoshop CS2 In Pictures

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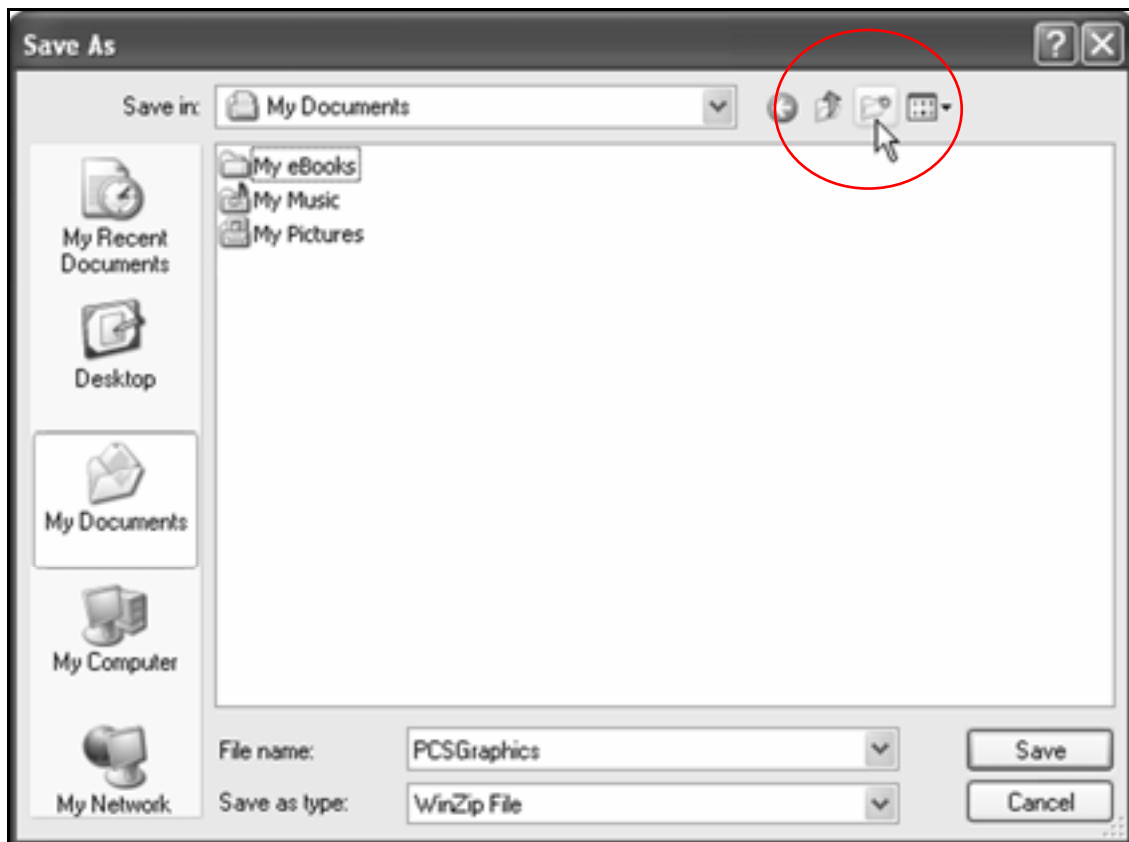
Photoshop Basics

In this section, you'll learn how to:

- **Create GIFs**
- **Create JPEGs**
- **Resize graphics**
- **Flip and rotate graphics**

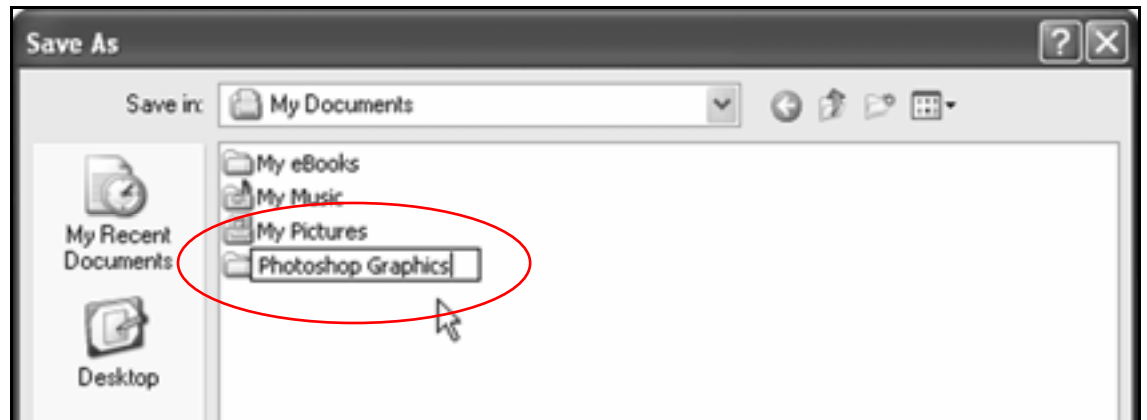
1. Open a web browser, then go to:
www.inpics.net/books/pcs2
2. Right click the **Download Photoshop Practice Files** link.
3. When the menu appears, click **Save Target As**.
4. When the **Save As** window appears, navigate to the **My Documents** folder.

Then click the  icon.



5. Type:

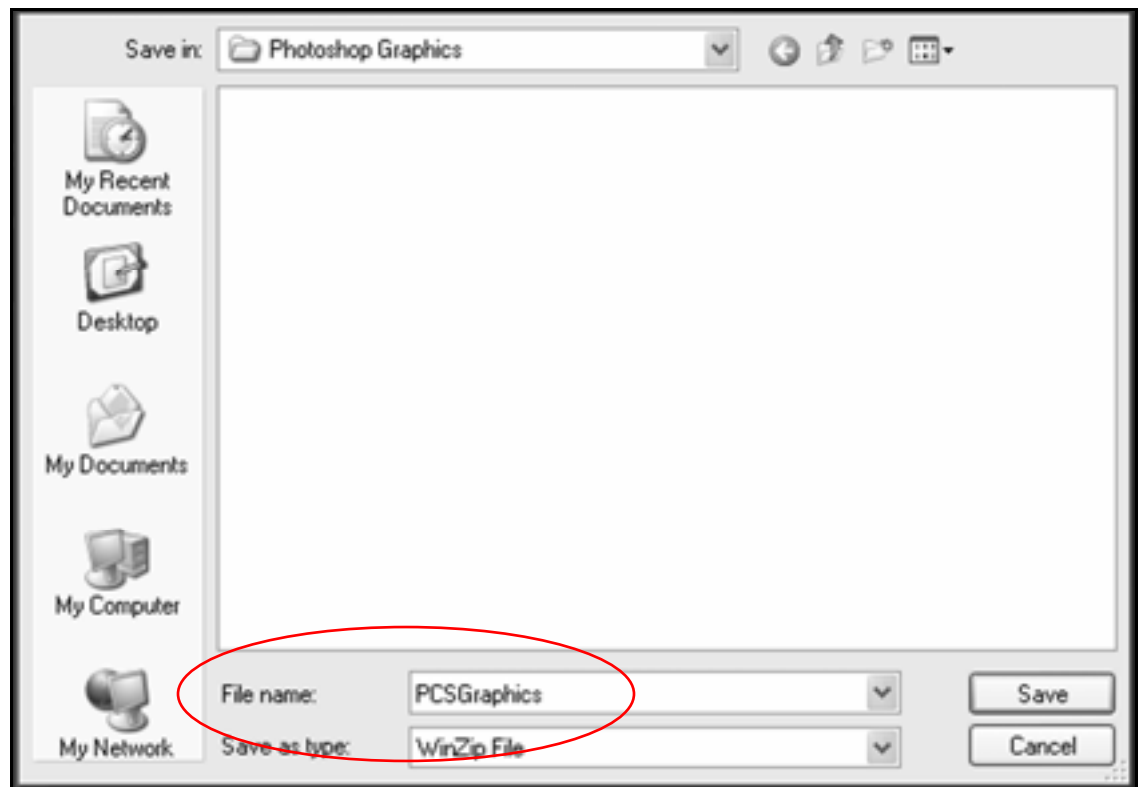
Photoshop Graphics



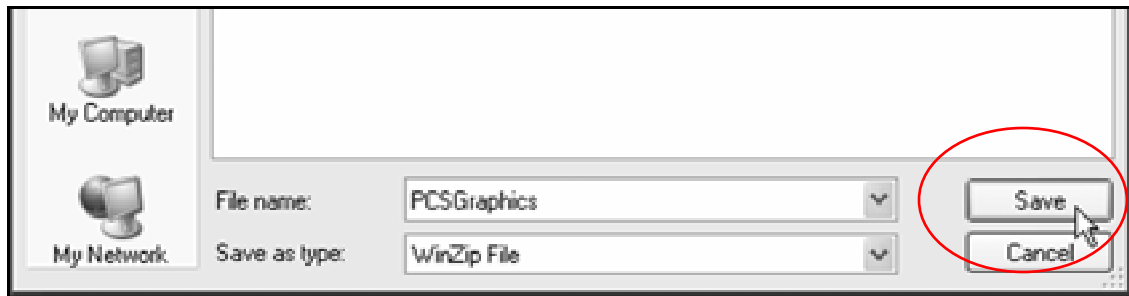
Then press the **ENTER** key on your keyboard.

6. Double-click the **Photoshop Graphics** folder to open it.

PCSGraphics.zip should appear in the **File name** box.



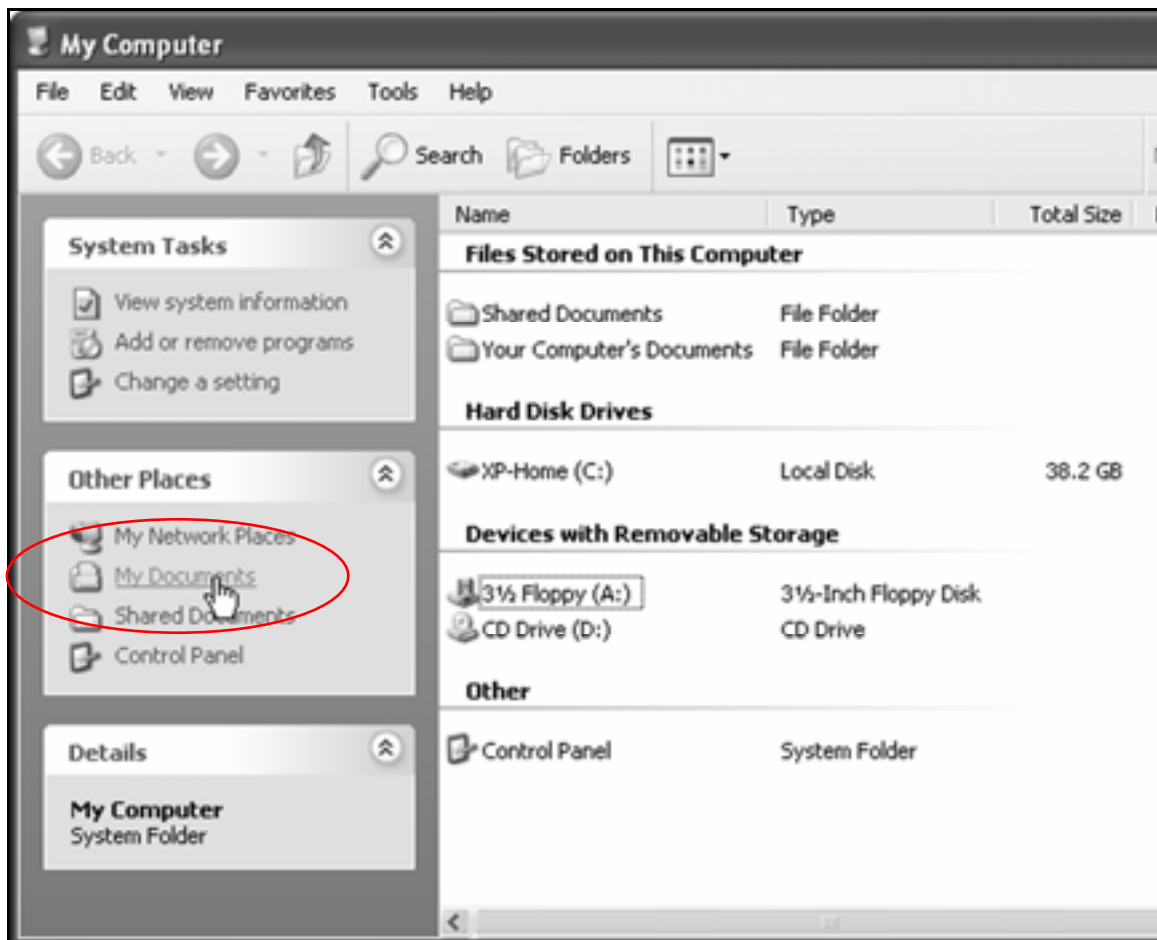
7. Click the  button.



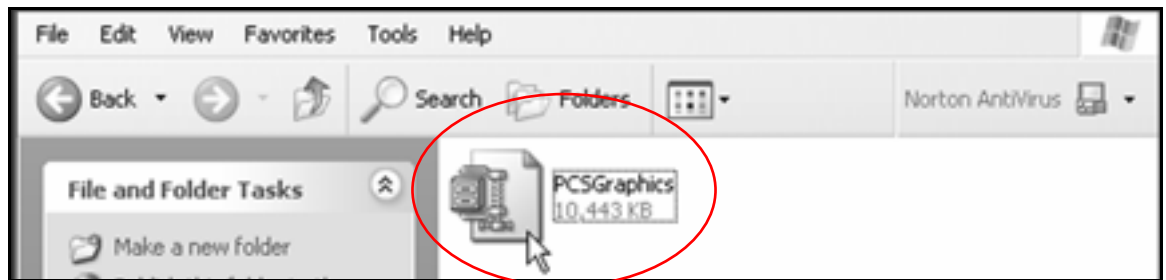
8. Close the web browser.

9. On the Desktop, double-click the **My Computer** icon.

10. When the window appears, click the **My Documents** folder to open it.



- 11.** Double-click the **Photoshop Graphics** folder to open it.
- 12.** In the right pane, double-click **PCSGraphics.zip**.



The WinZip window should open:



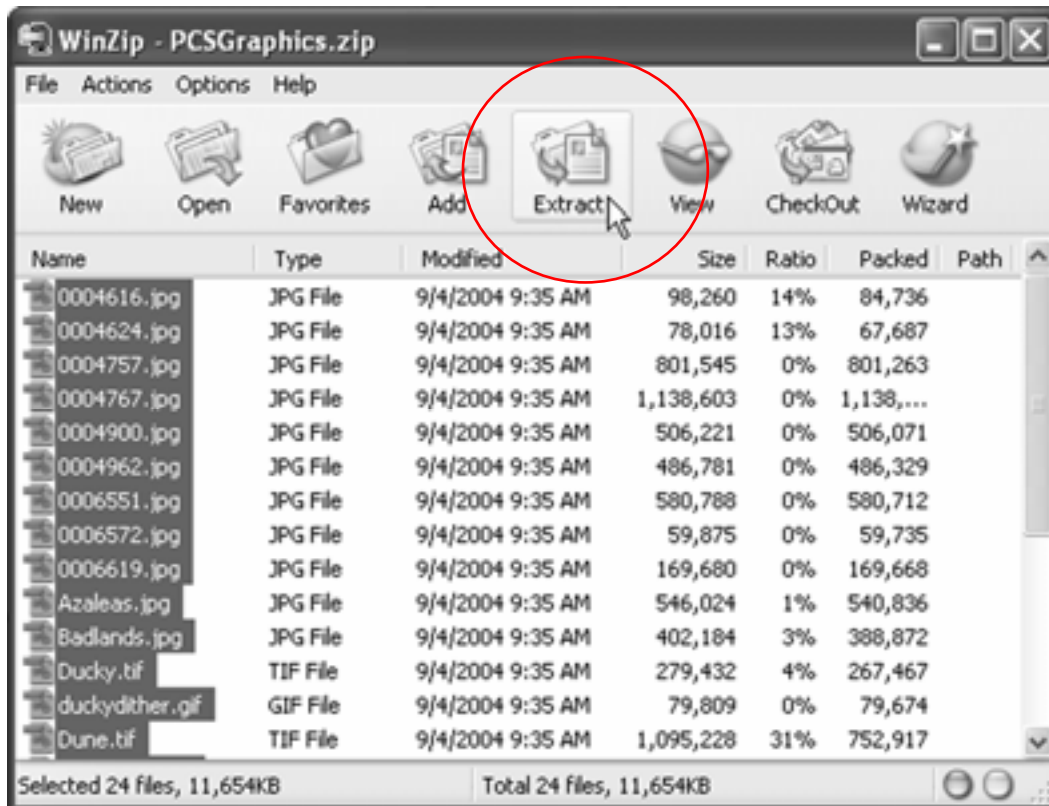
Tip: *If your screen doesn't look like above—your computer isn't opening the .zip file—just go to:*

www.winzip.com

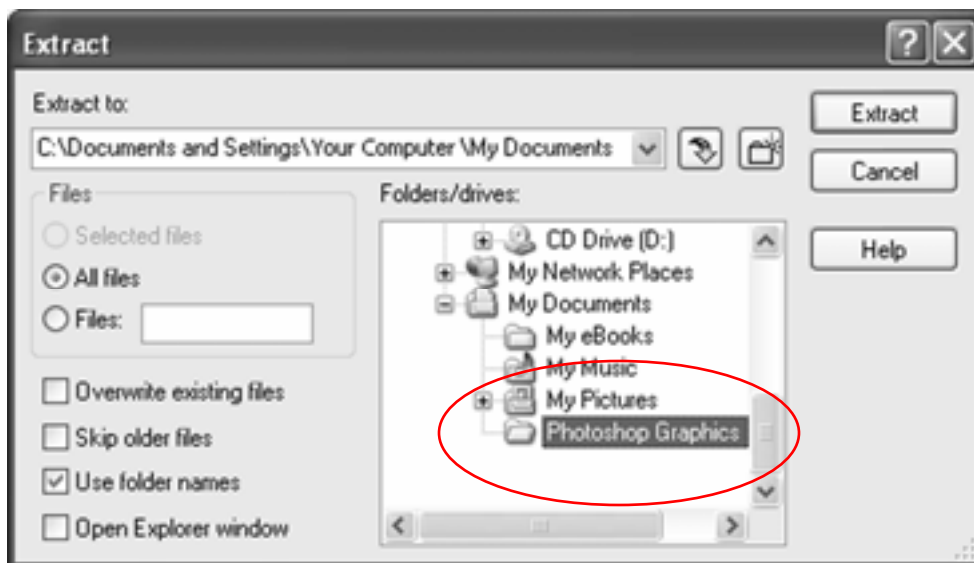
and download a copy of WinZip. You can install it and use it free for 21 days.

13. Proceed to the next screen.

Then on the Toolbar, click the **Extract** icon.



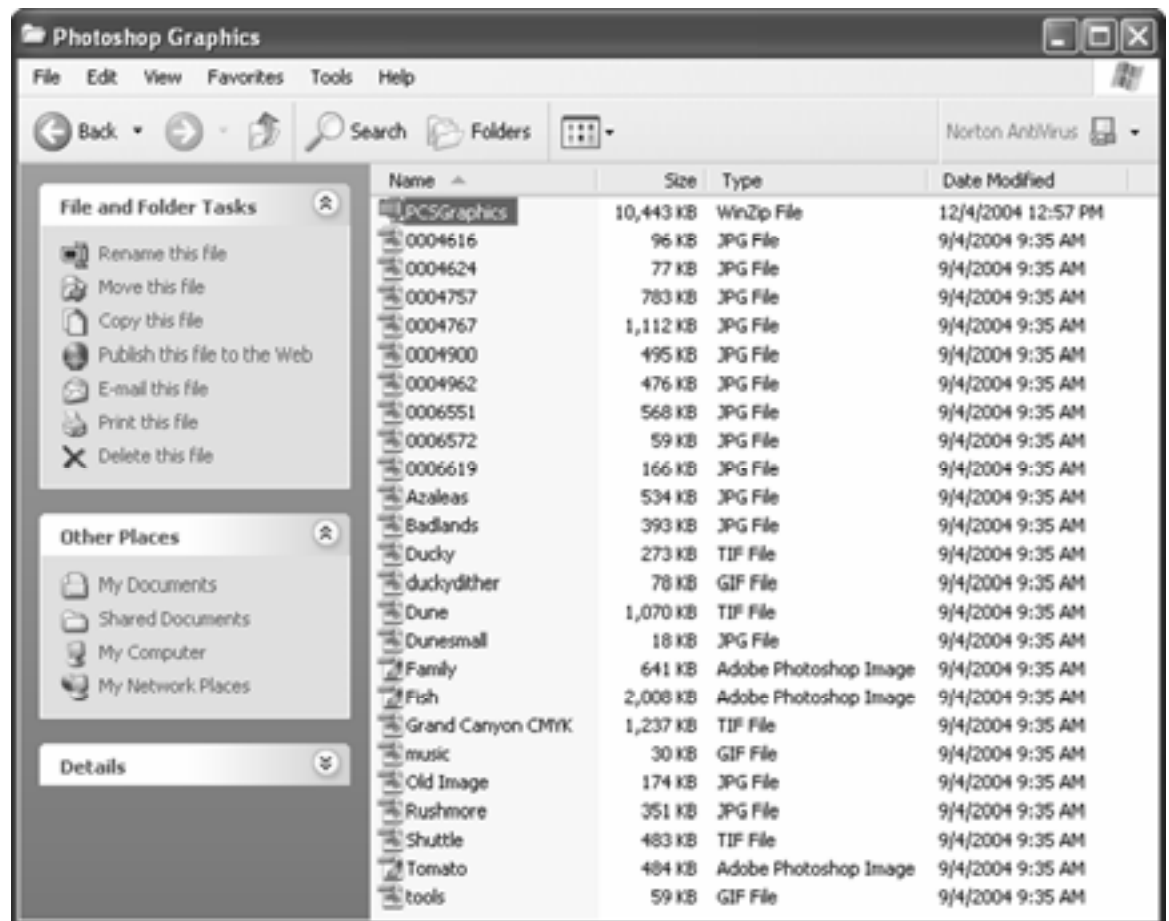
14. When the **Extract** window appears, click the **Photoshop Graphics** folder.



15. Click the **Extract** button.



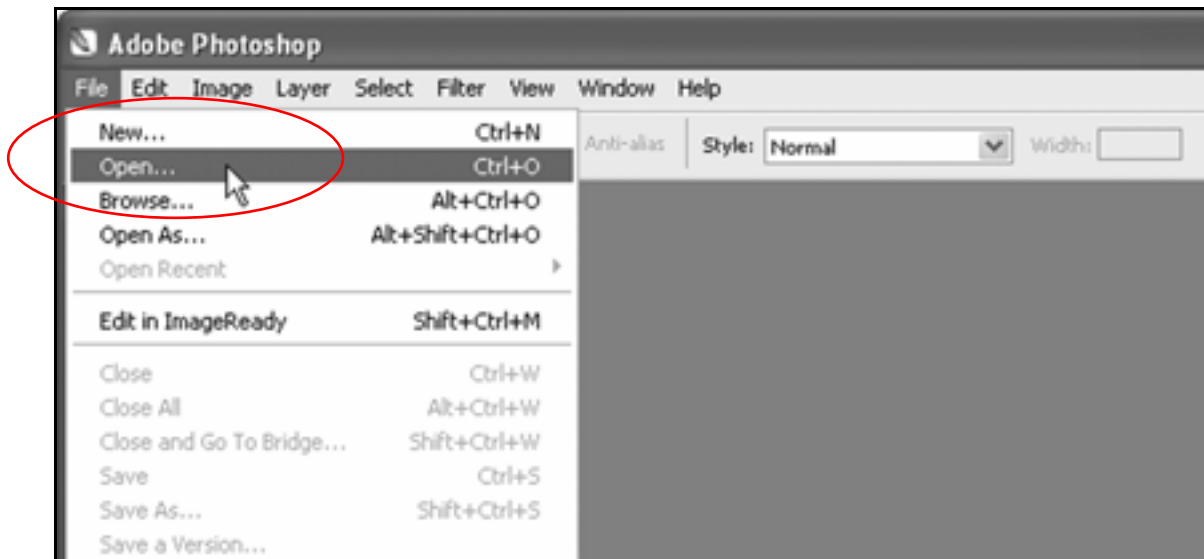
The graphics contained in the **PCSGraphics.zip** file should now be listed in the **Photoshop Graphics** folder:



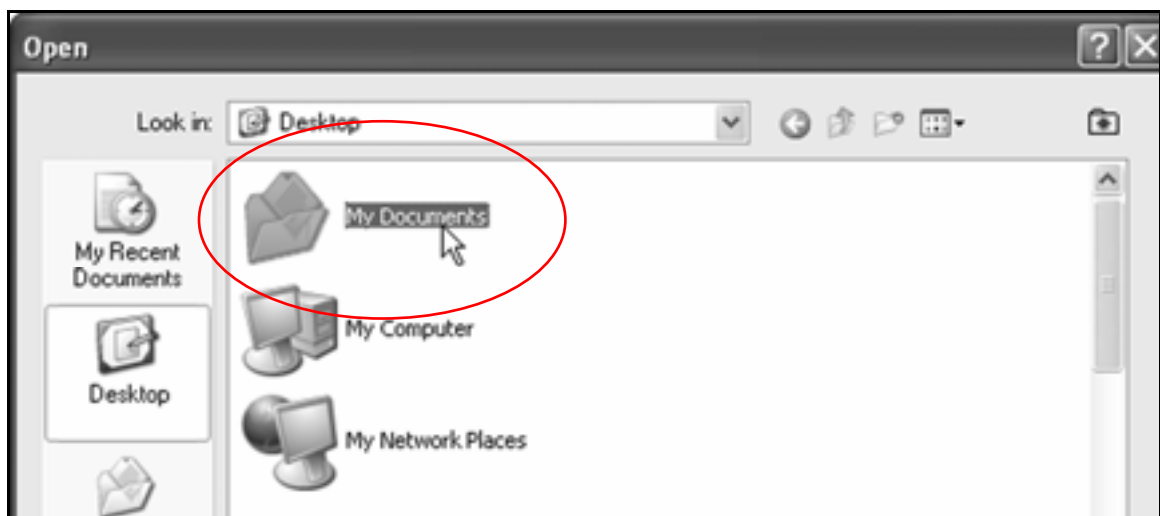
Create GIFs

1. Open Photoshop CS.

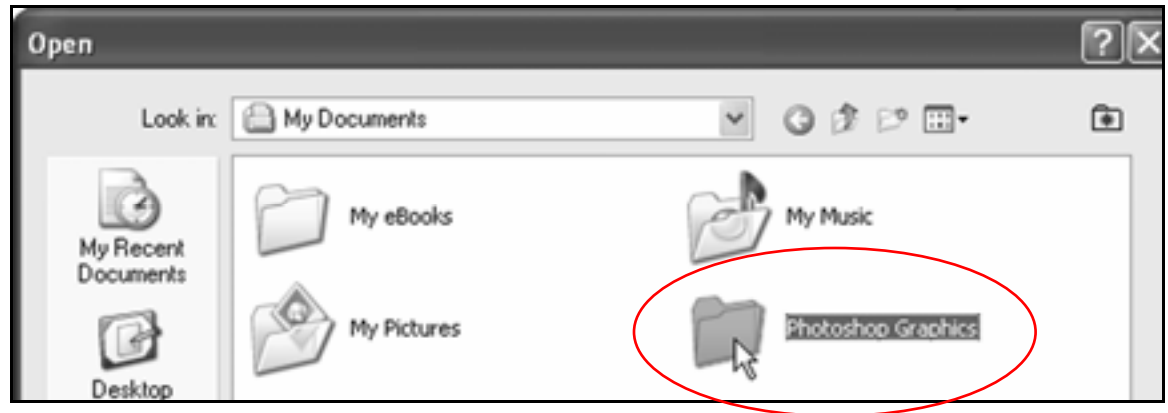
On the Menu Bar, click **File**, then **Open**.



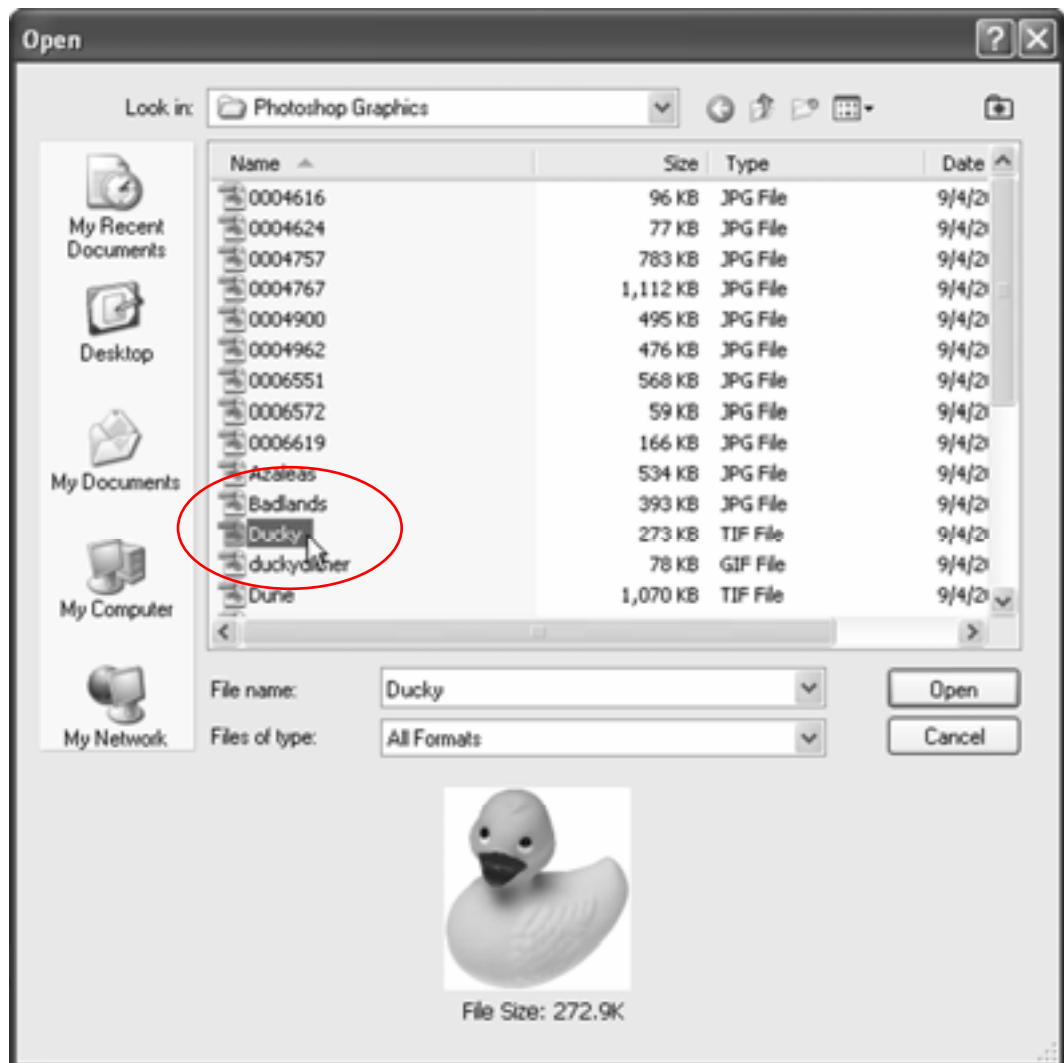
2. When the **Open** window appears, double-click the **My Documents** folder.



- 3.** Double-click the **Photoshop Graphics** folder to open it.



- 4.** Click **Ducky.tif**.

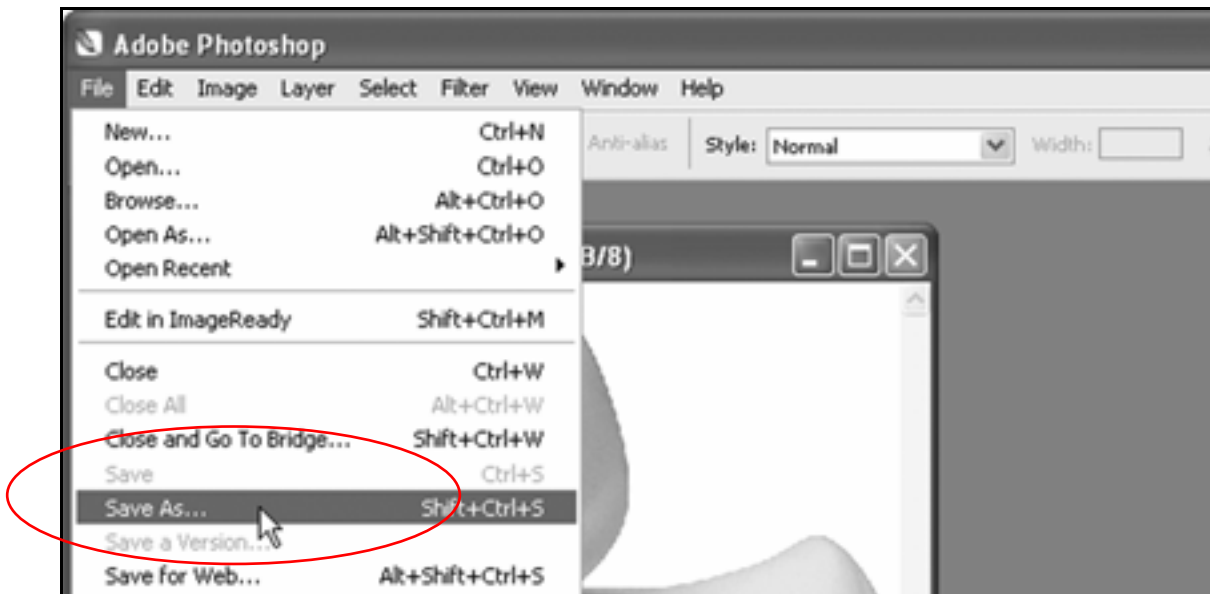


Then click the  button.

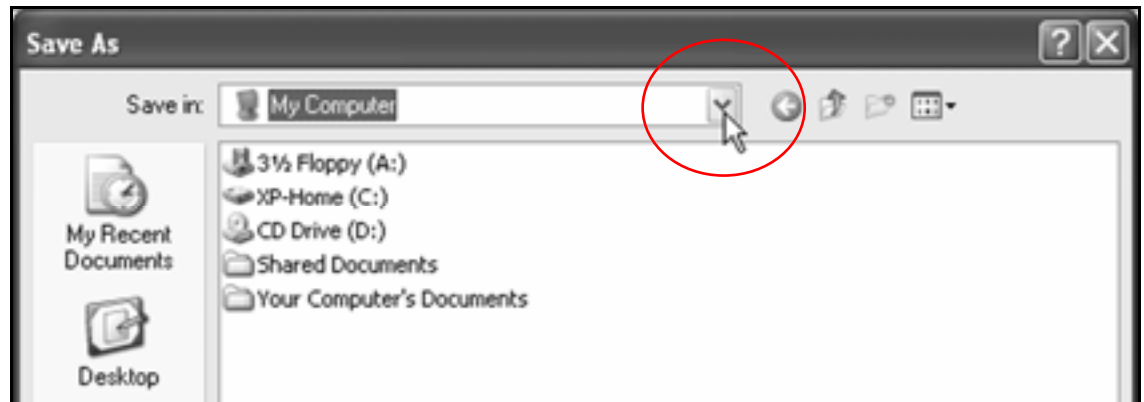
It should look like this:



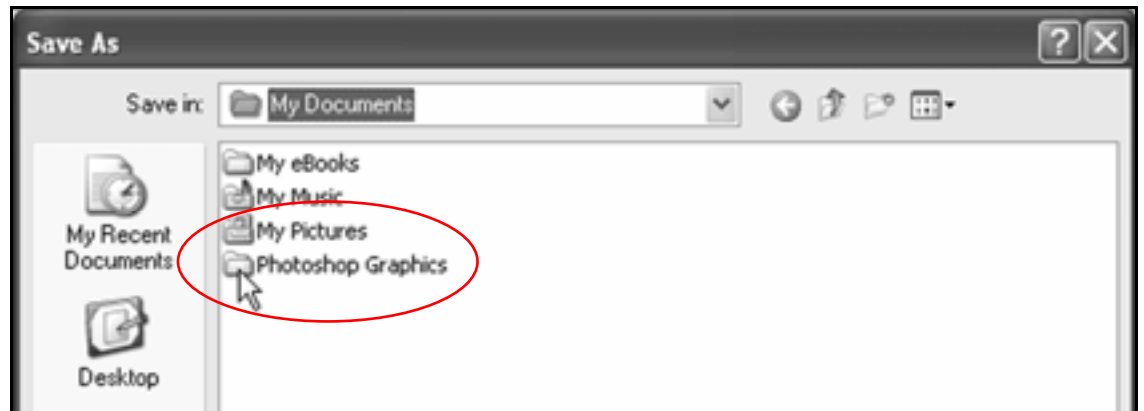
5. On the Menu Bar, click **File**, then **Save As**.



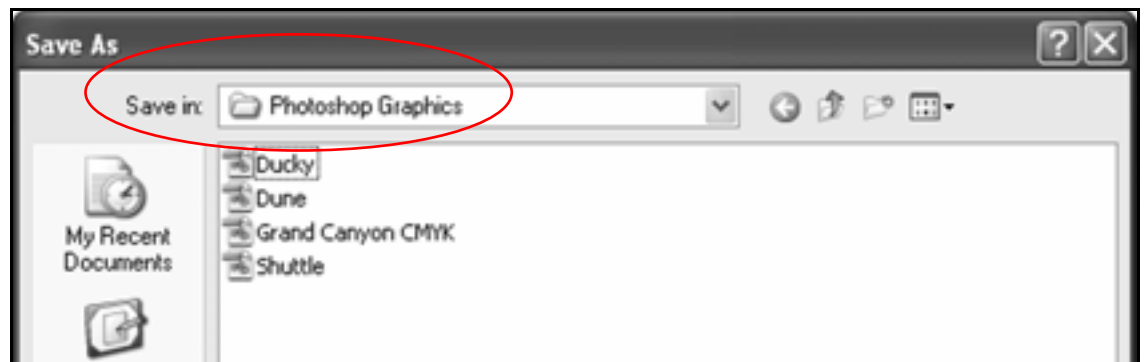
- 6.** When the **Save As** window appears, click the down arrow next to the **Save in** box.



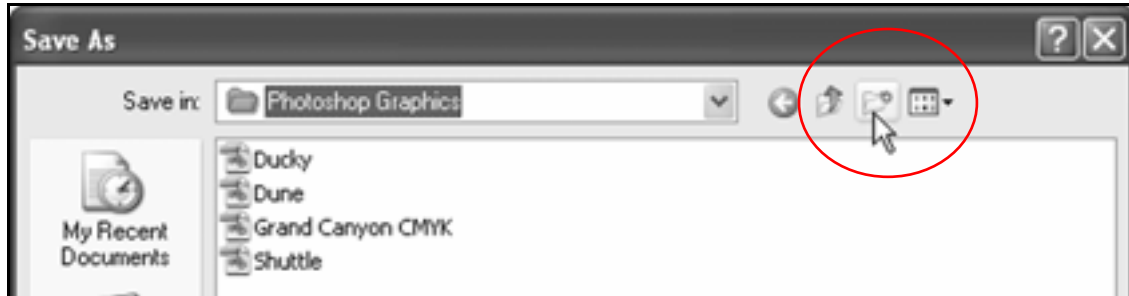
- 7.** Click the **Photoshop Graphics** folder.



The **Photoshop Graphics** folder should appear in the **Save in** box.

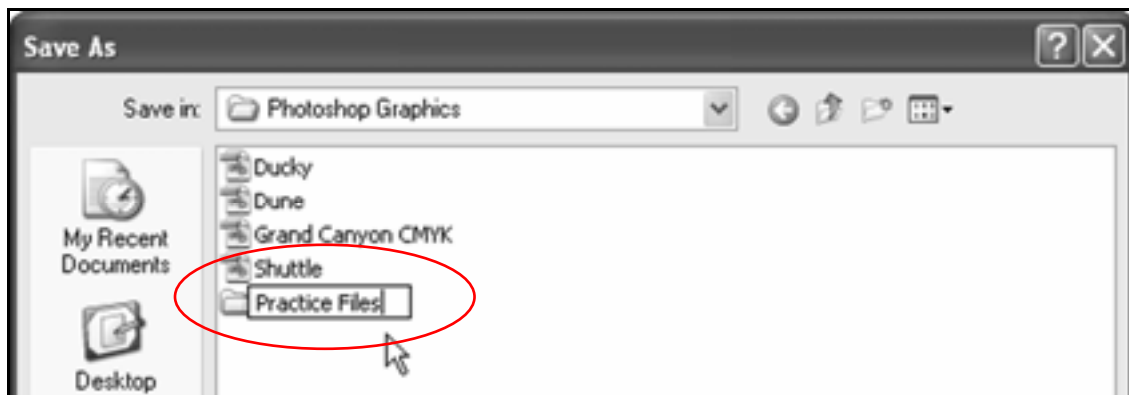


8. Click the  icon.



9. When the **New Folder** box appears, type:
Practice Files

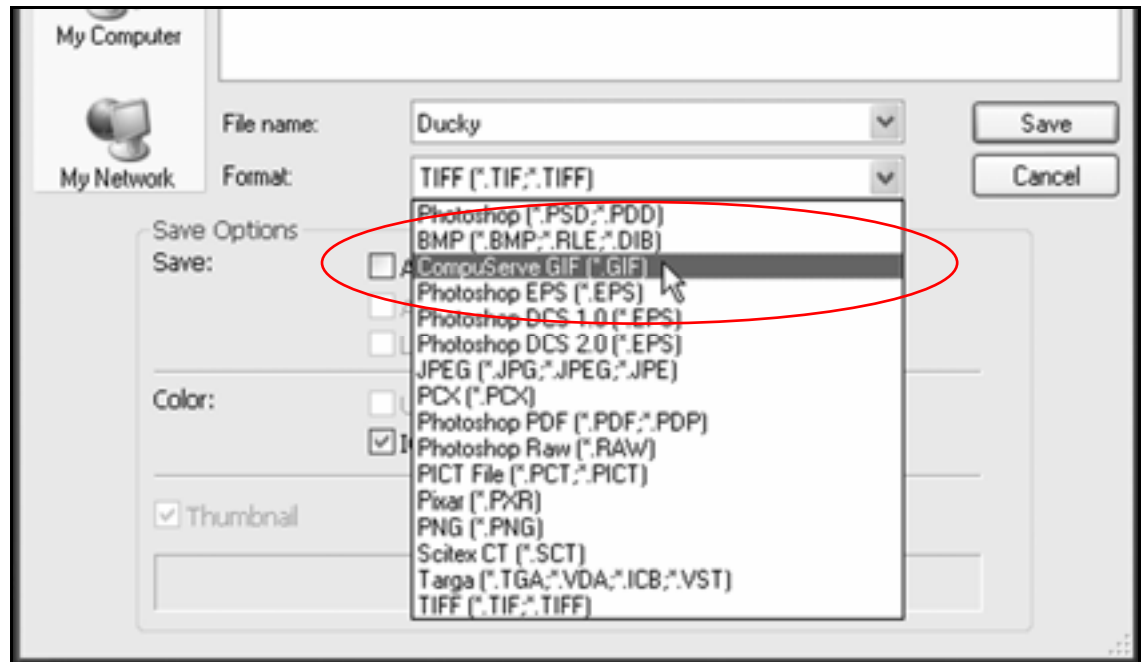
Then press the **ENTER** key on your keyboard.



10. Double-click the **Practice Files** folder to open it.
It should appear in the **Save in** box.

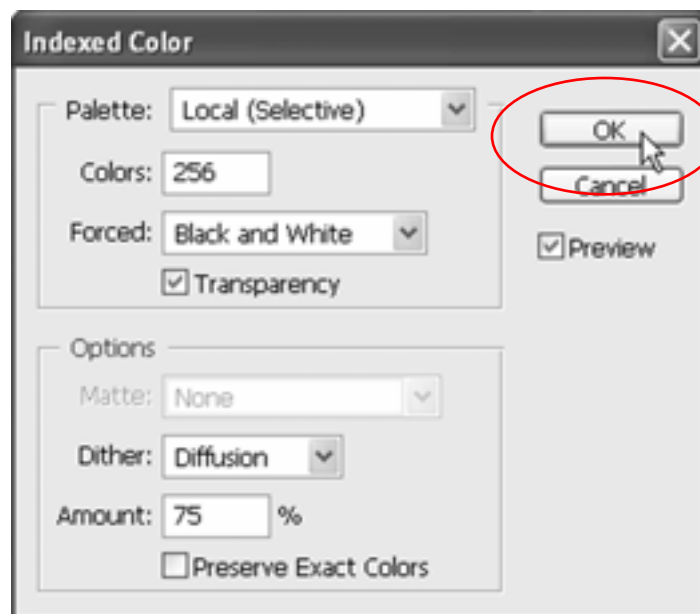


- 11.** In the **Format** drop-down list, click **CompuServe.GIF (*.GIF)**.

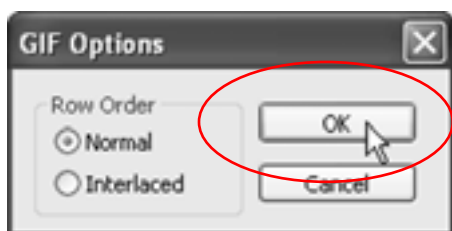


- 12.** Click the **Save** button.

- 13.** When the **Indexed Color** window appears, click the **OK** button.

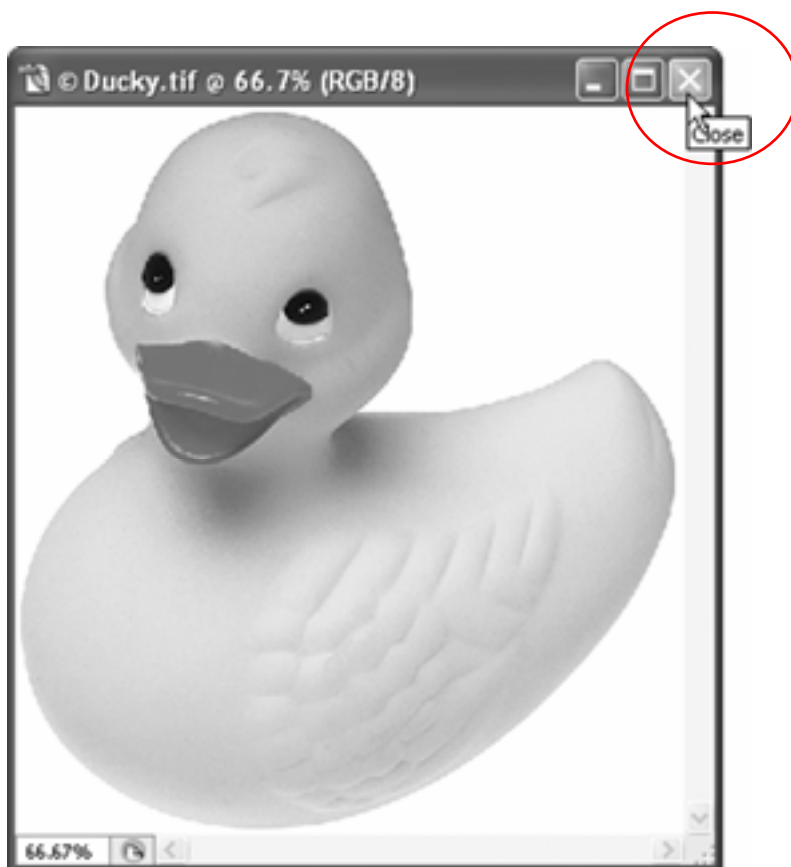


- 14.** When the **GIF Options** window appears, click the  button.



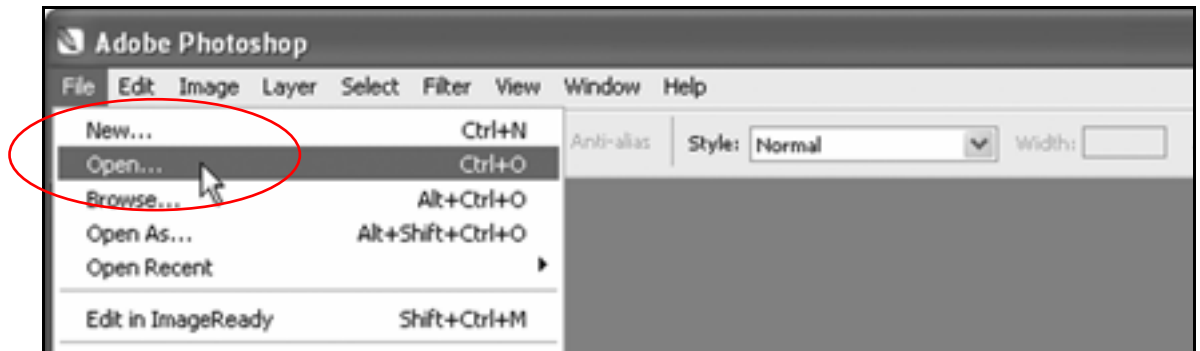
You have now saved a graphic in GIF format, in the **Practice Files** folder.

- 15.** Click the window's  button to close **Ducky.tif**.

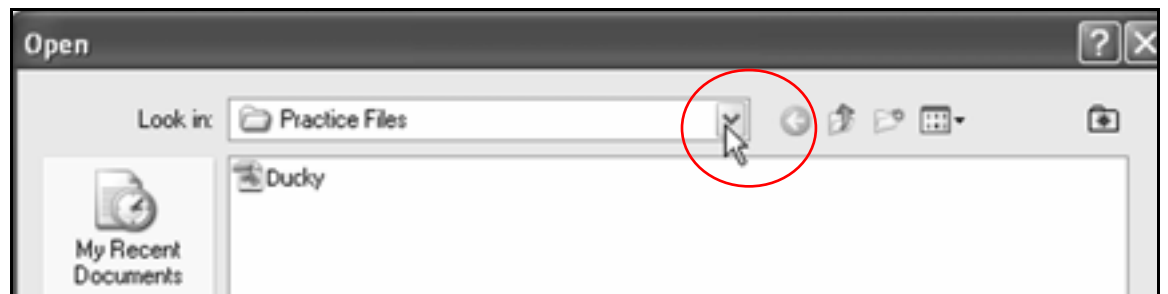


Create JPGs

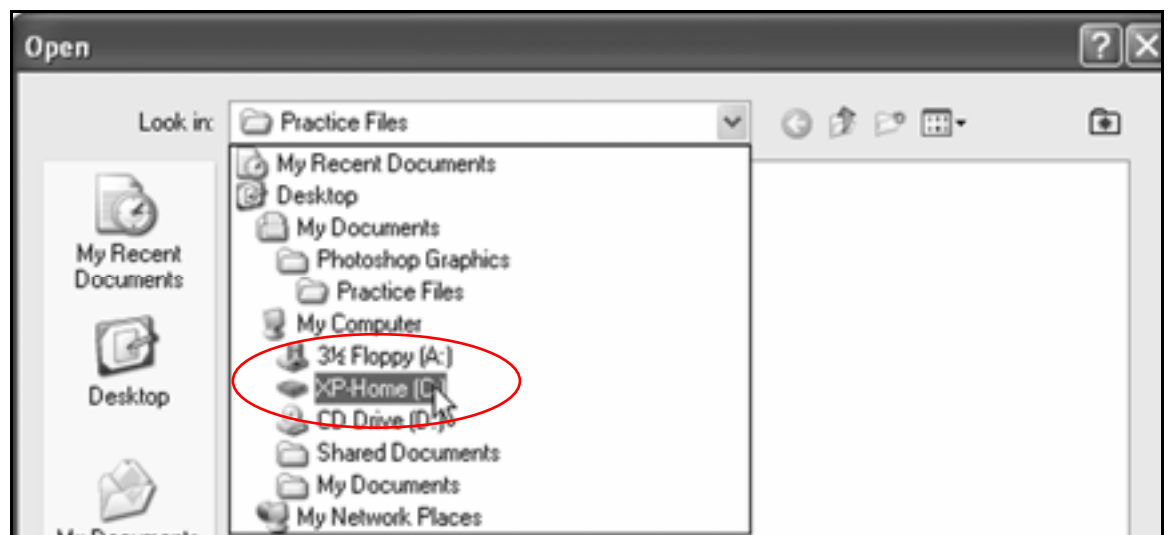
1. On the Menu Bar, click **File**, then **Open**.



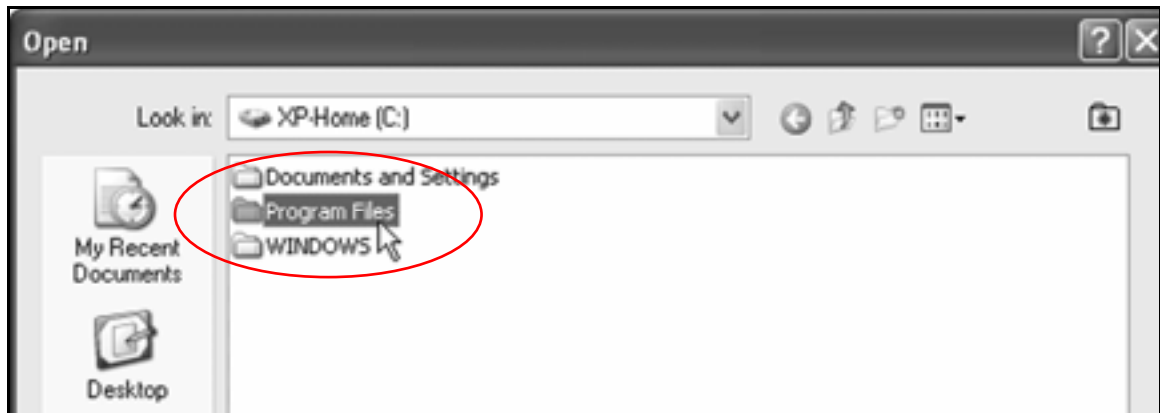
2. When the **Open** window appears, click the down arrow next to the **Look in** box.



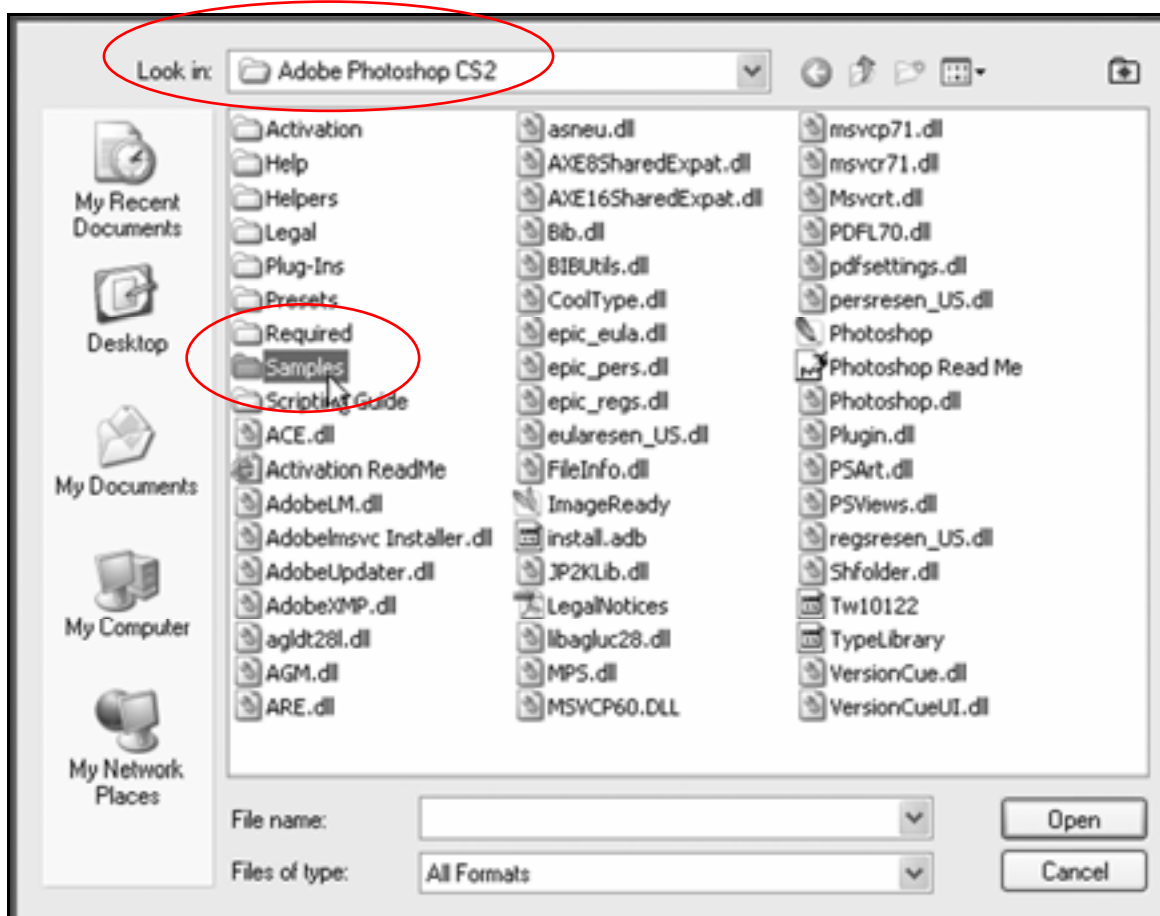
3. Click the **(C:) drive**.



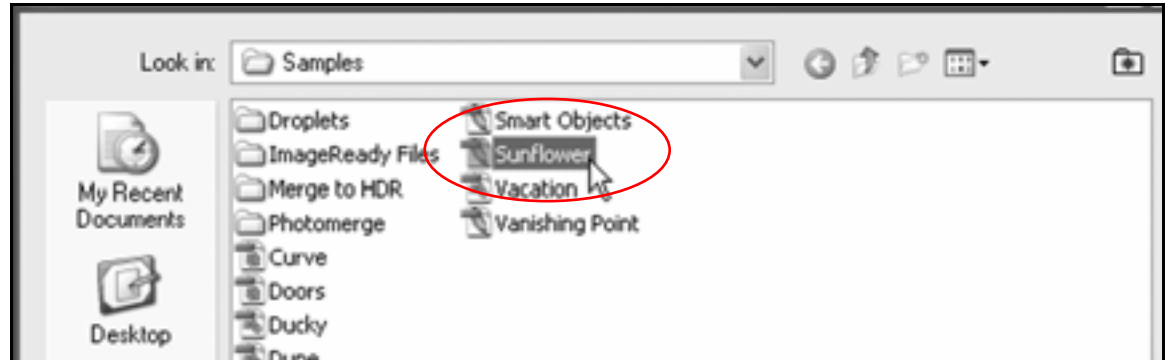
4. Double-click the **Program Files** folder to open it.



5. Double-click the **Adobe** folder.
Then the **Photoshop CS2** folder.
Then the **Samples** folder.



6. Click **Sunflower.psd**.

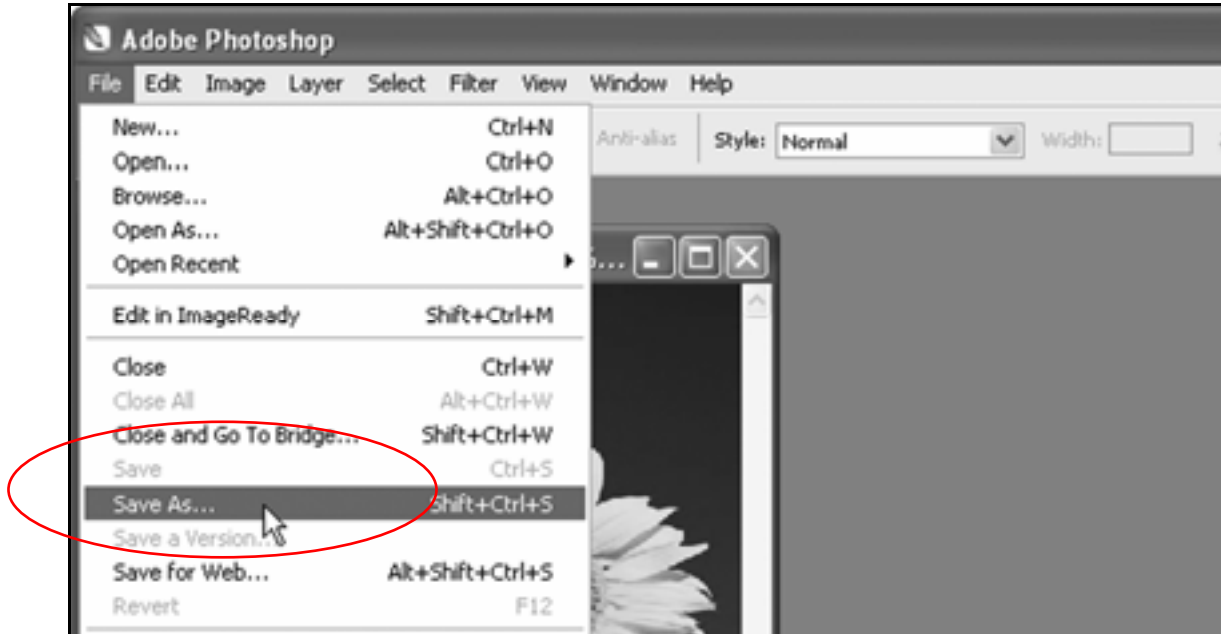


Then click the button.

It should look like this:

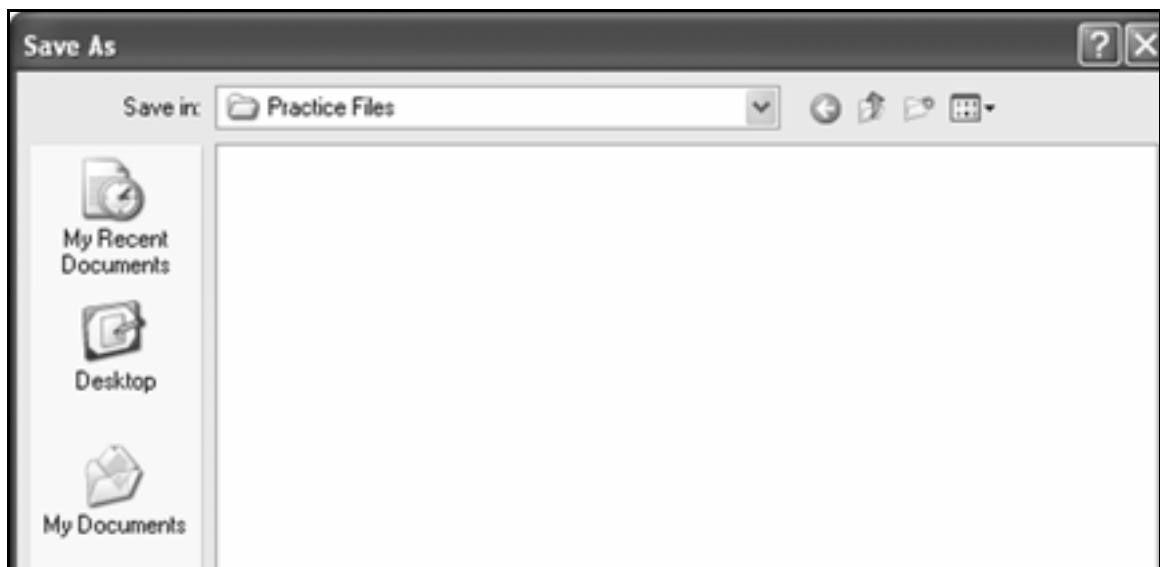


- 7.** On the Menu Bar, click **File**, then **Save As**.

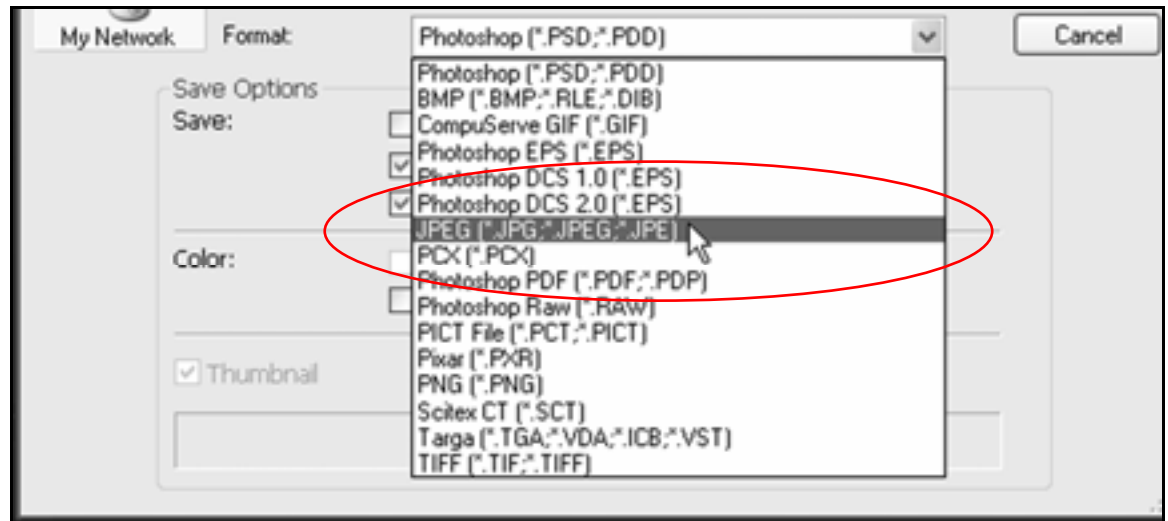


- 8.** When the **Open** window appears, navigate to the **Practice Files** folder at:

C:\My Documents\Photoshop Graphics\Practice Files

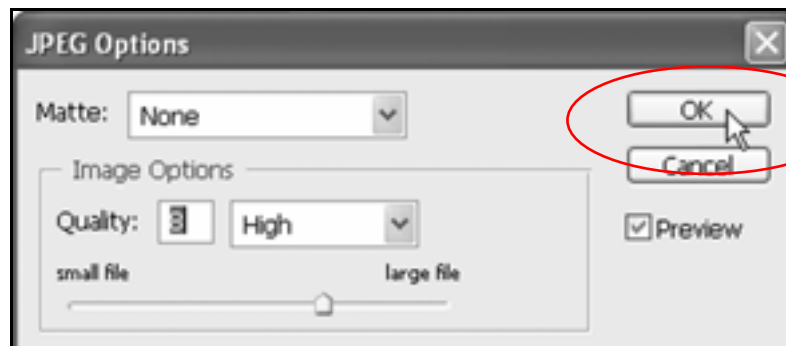


- 9.** In the **Save as Type** drop-down list, click **JPEG (*.JPG, *.JPE)**.



- 10.** Click the  button.

- 11.** When the **JPEG Options** window appears, click the  button.



You have saved a graphic in JPG format, in the **Practice Files** folder.

12. Click the  button to close **Sunflower.psd**.

Web graphic file types

GIF

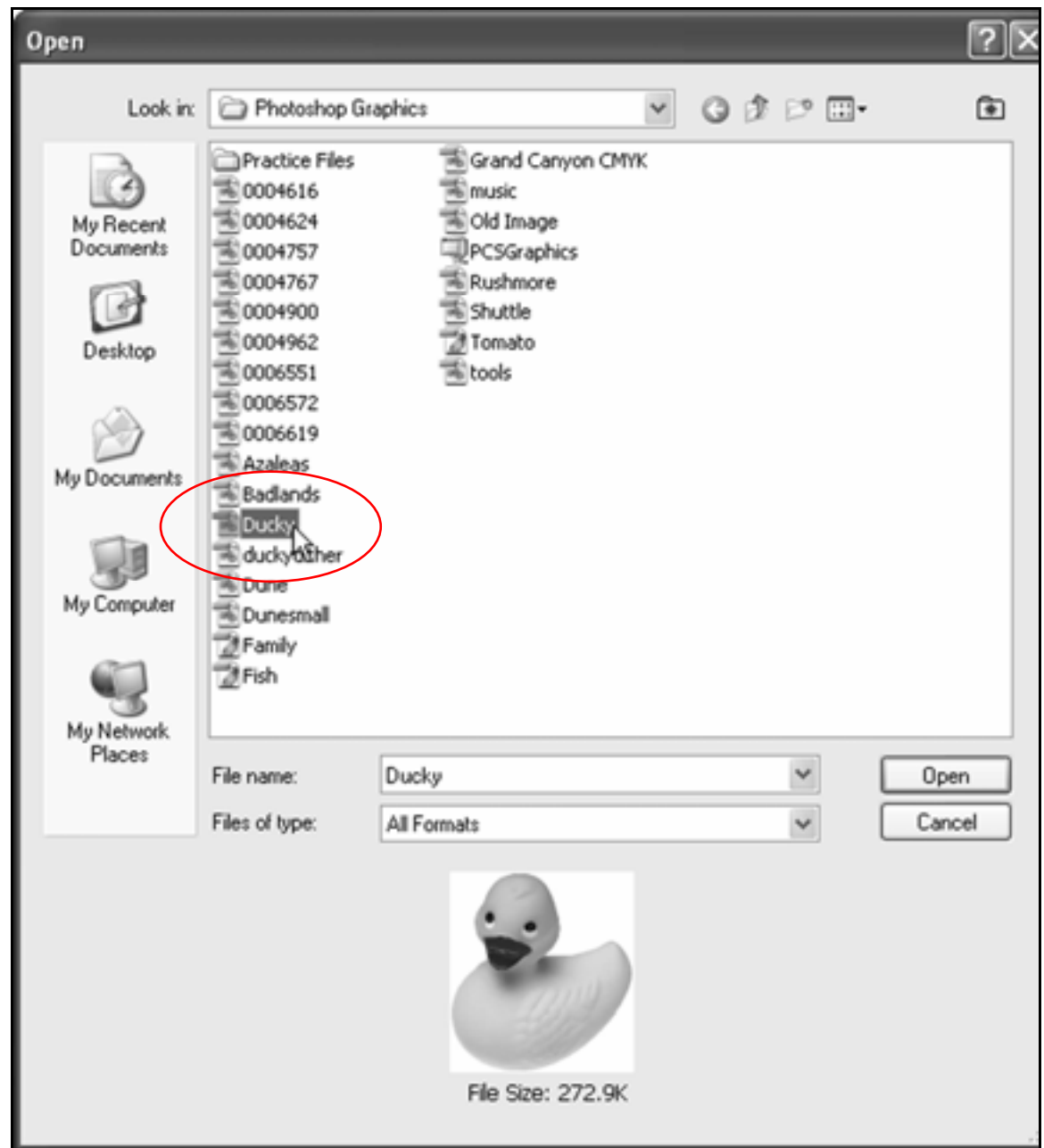
Short for Graphical Interchange Format. GIF-format graphics are used for most Web graphics. They are limited to 256 colors, but remain sharp.

JPG

Short for Joint Photographic Experts Group. JPG-format graphics are used mostly for photographs. They include millions of colors, but get blurrier each time they're saved.

Resize graphics

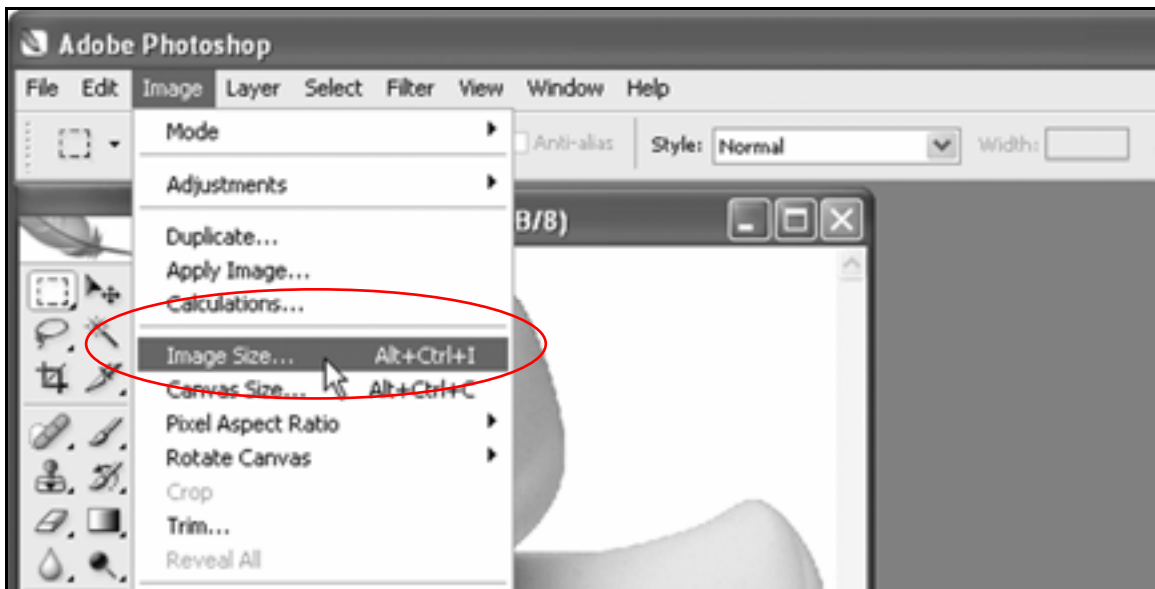
- 1.** On the Menu Bar, click **File**, then **Open**.
- 2.** Navigate to the **Photoshop Graphics** folder, then double-click **Ducky.tif**.



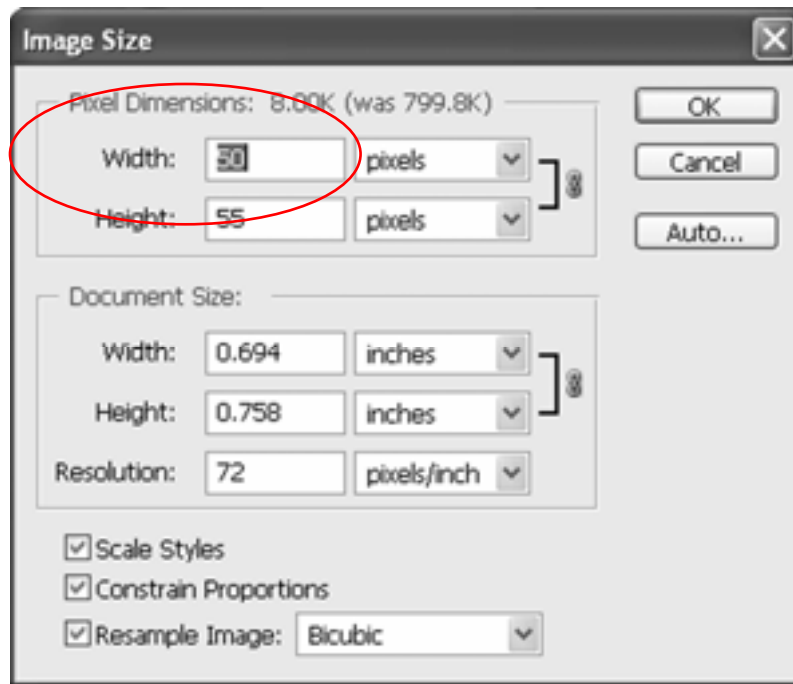
It should open and look like this:



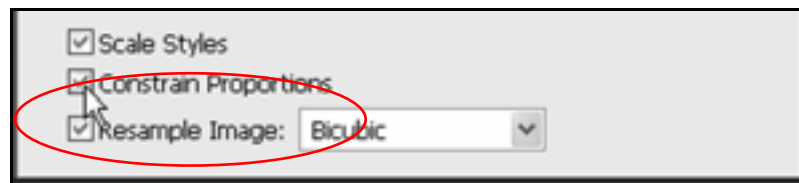
3. On the Menu bar, click **Image**, then **Image Size**.



- 4.** In the **Image Size** window, type:
50
in the first **Width** box.

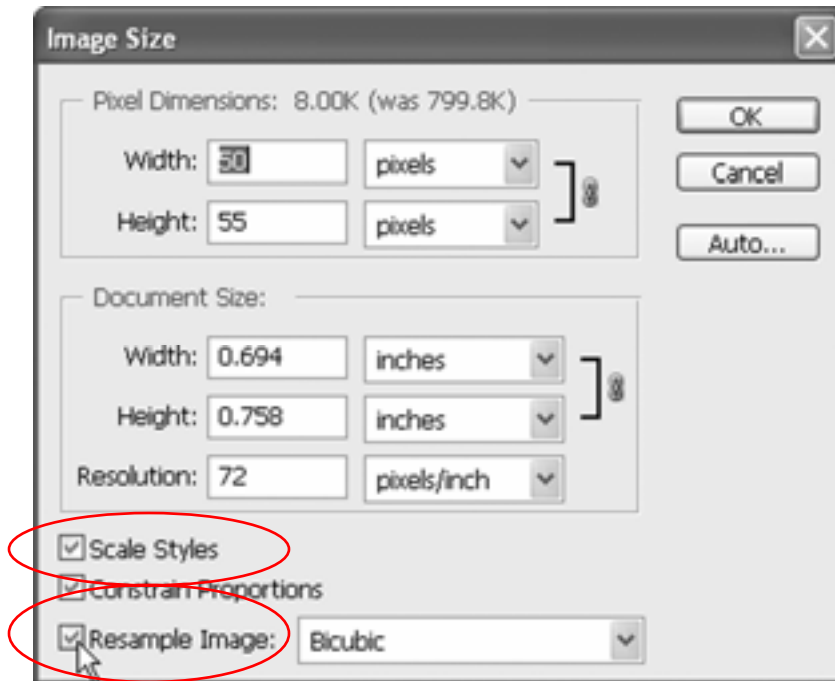


- 5.** Make sure the **Constrain Proportions** checkbox is checked.



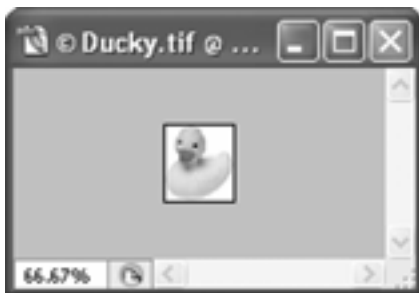
Tip: *This automatically adjusts the height of the graphic to match the change in width.*

- 6.** Make sure that **Scale Styles** and **Resample Image** are checked.



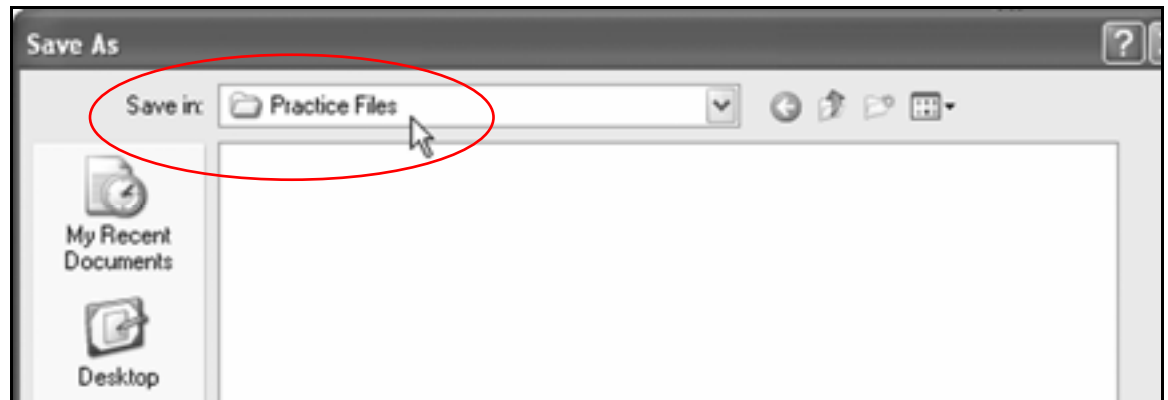
- 7.** Click the  button.

The graphic should look like this:



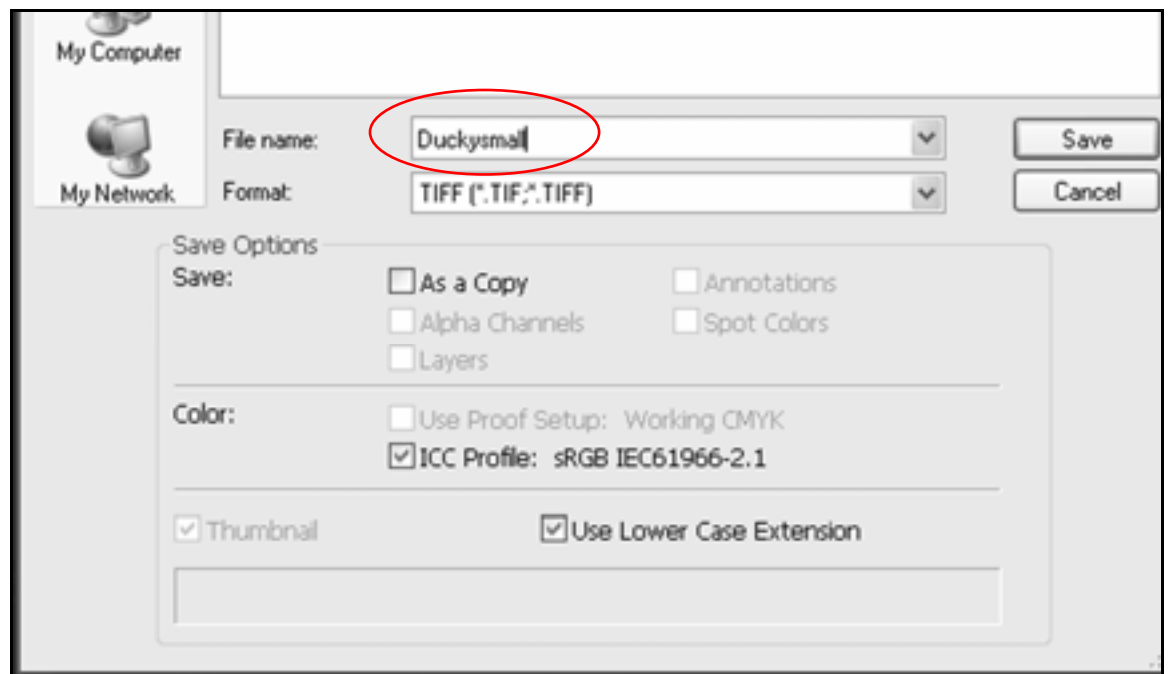
- 8.** On the Menu Bar, click **File**, then **Save as**.

- 9.** When the **Save As** window appears, double-click the **Practice Files** folder so it appears in the **Save in** box.



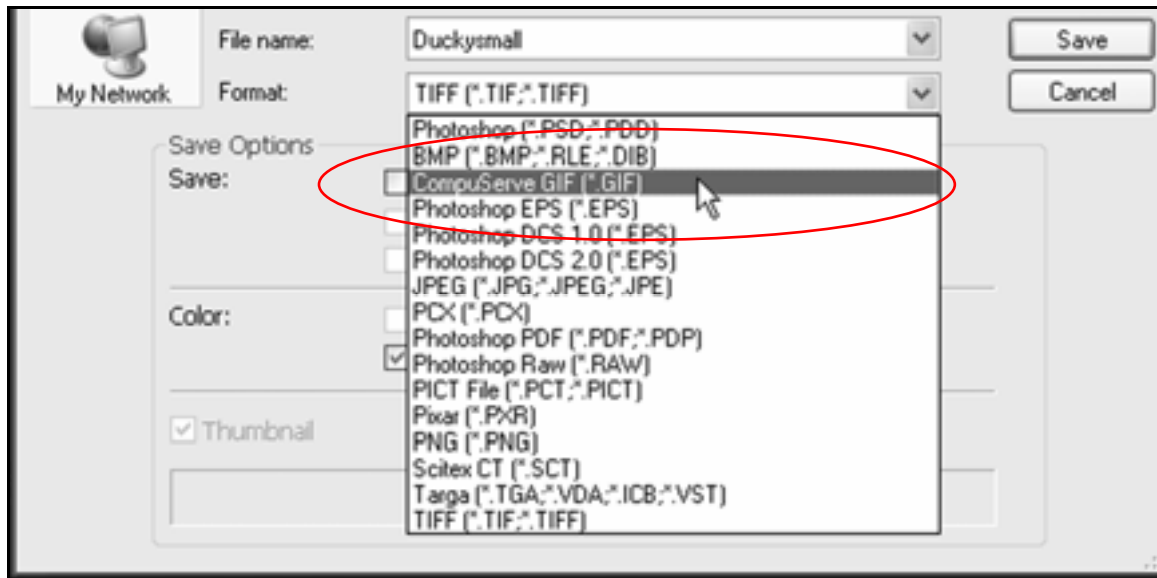
- 10.** In the **File name** box, type:

Duckysmall



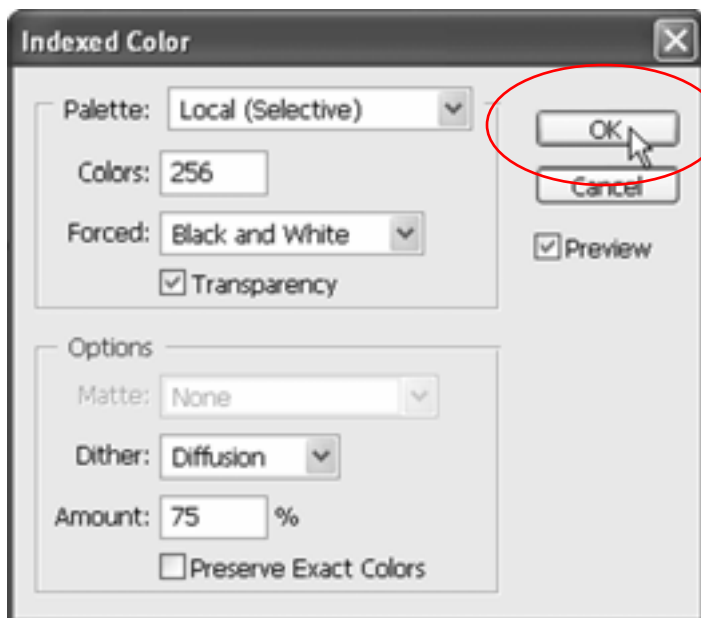
11. Click the drop-down arrow next to **Save as type**.

Then click **CompuServe GIF**.

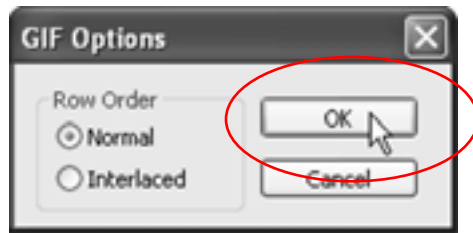


12. Click the  button.

13. When the **Indexed Color** window appears, click the  button.



- 14.** When the **GIF Options** window appears, click the  button.

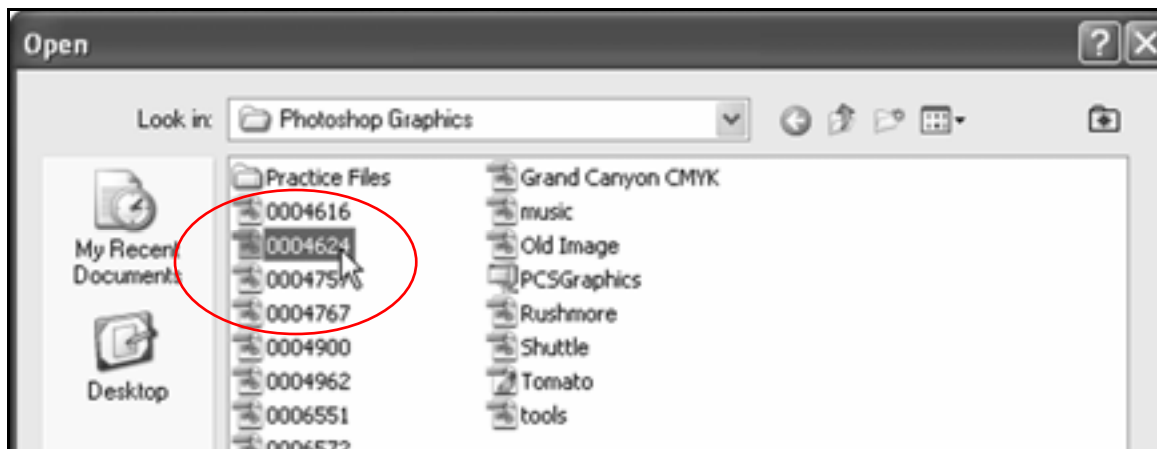


- 15.** Close **Ducky.tif** without saving changes.

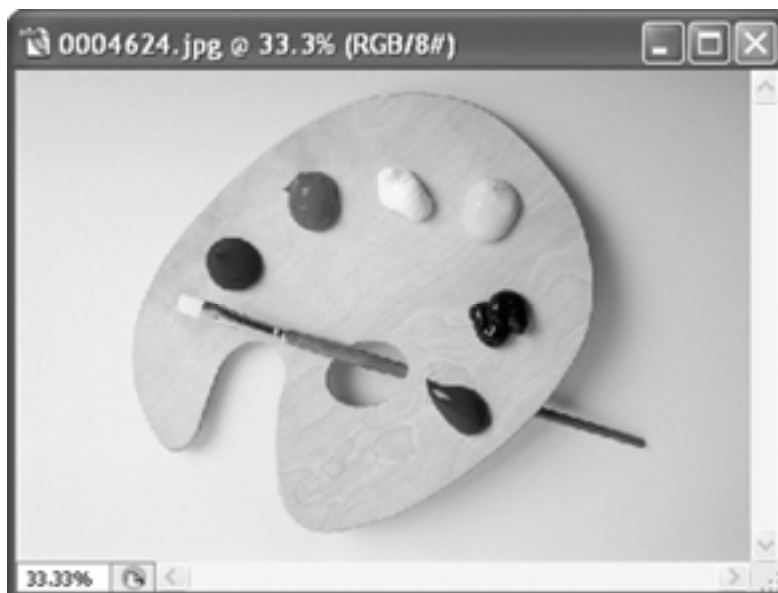
Flip and rotate graphics

Flip graphics

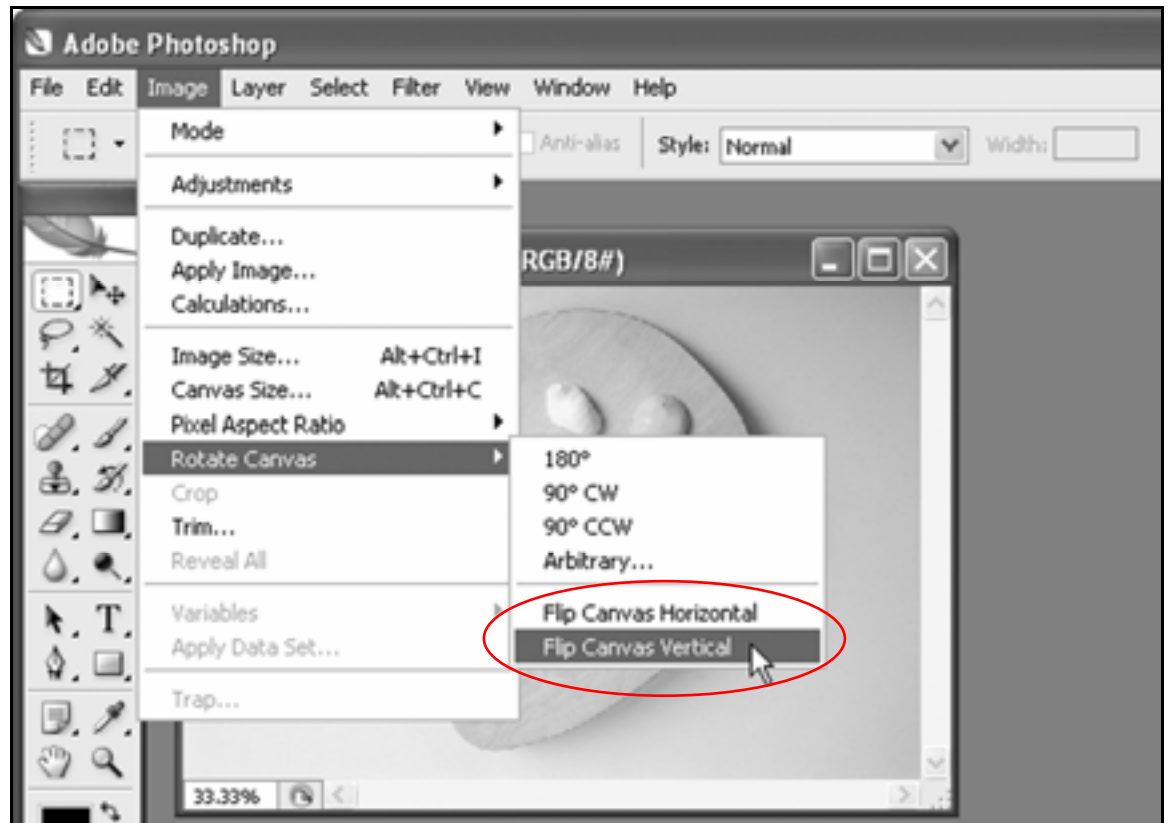
1. On the Menu Bar, click **File**, then **Open**.
2. Navigate to the **Photoshop Graphics** folder, then click **0004624.jpg**.



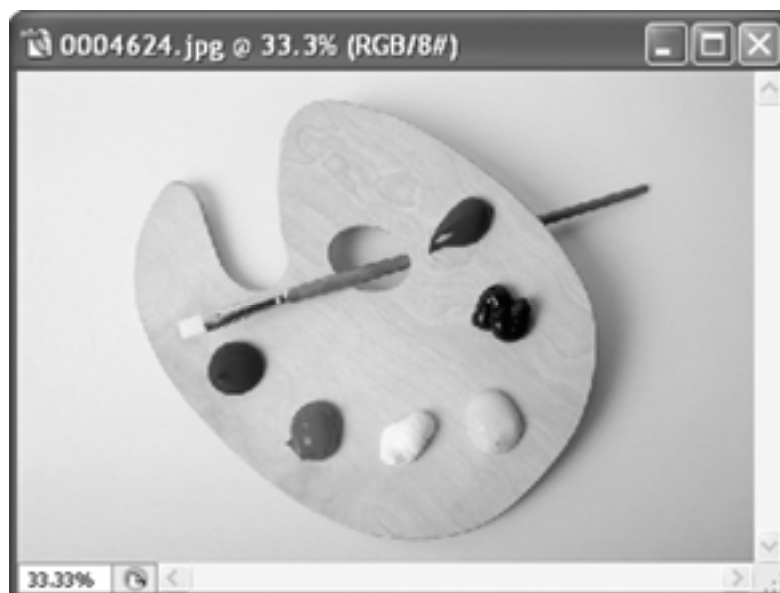
It should open and look like this:



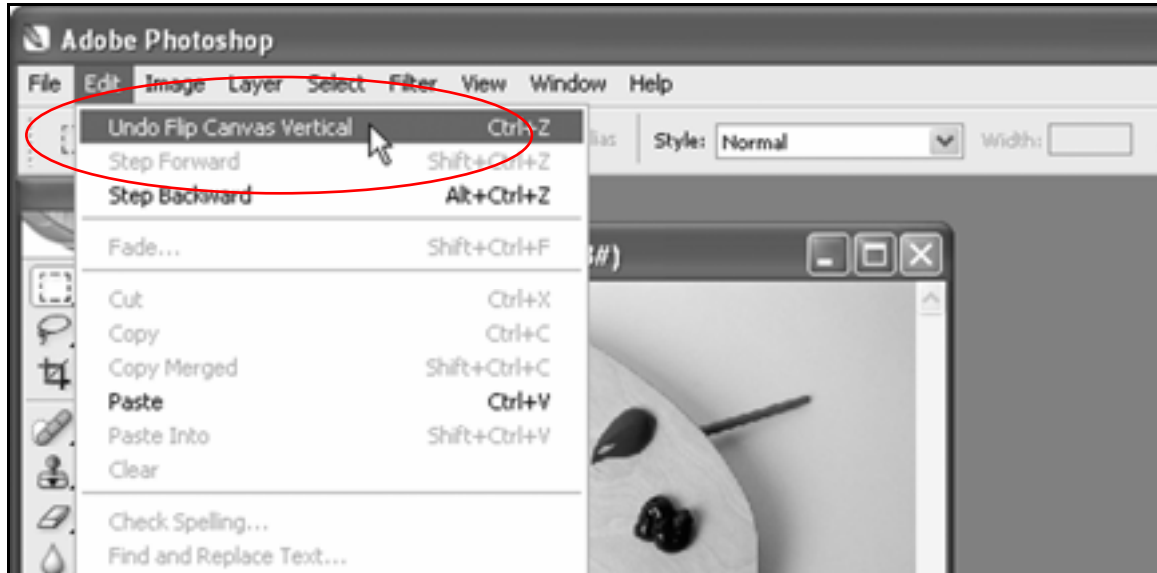
- 3.** On the Menu Bar, click **Image**, then **Rotate Canvas**, then **Flip Canvas Vertical**.



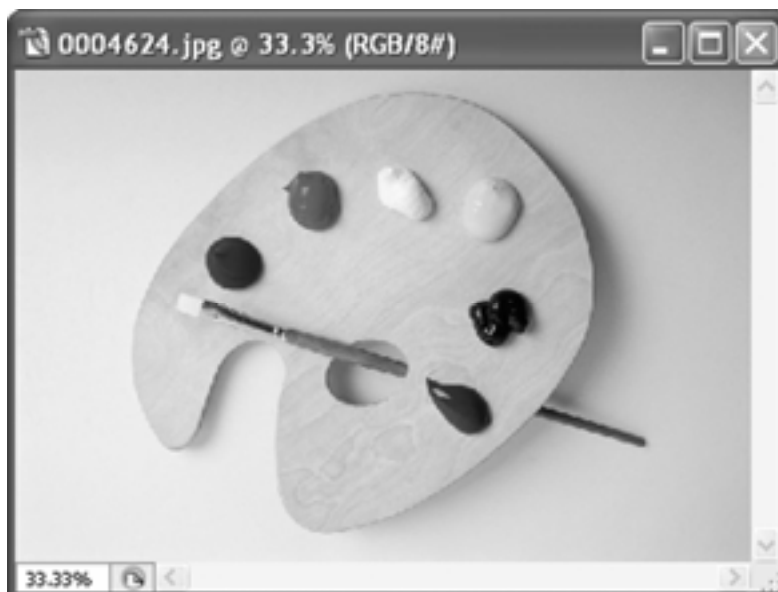
It should now appear upside-down:



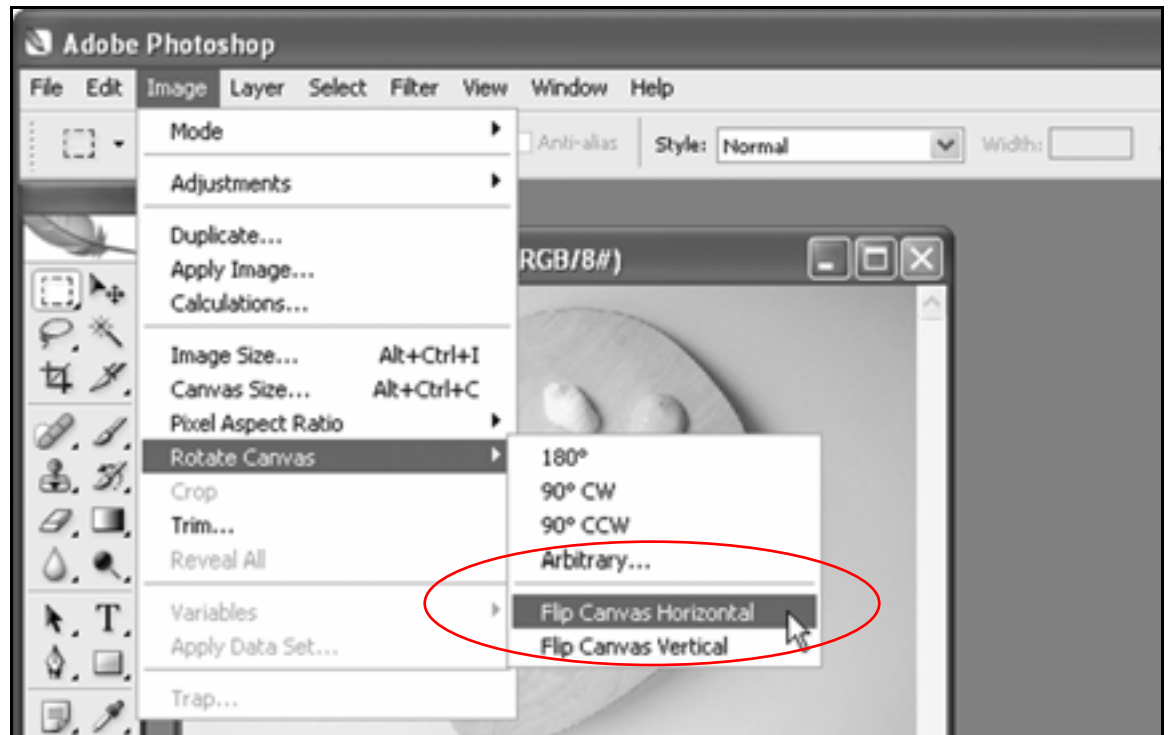
4. On the Menu Bar, click **Edit**, then **Undo Flip Canvas Vertical**.



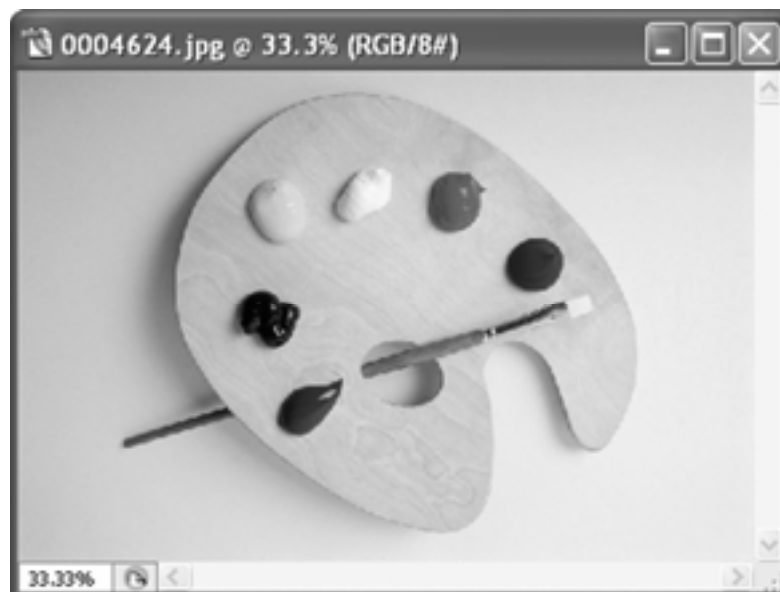
It should return to normal:



- 5.** On the Menu Bar, click **Image**, **Rotate Canvas**, then **Flip Canvas Horizontal**.



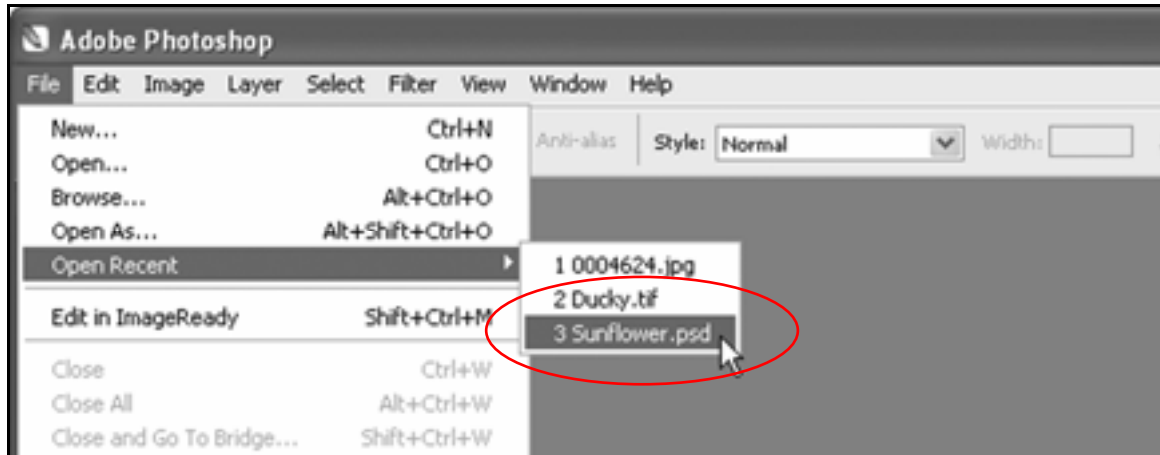
It should now appear as a left/right mirror image:



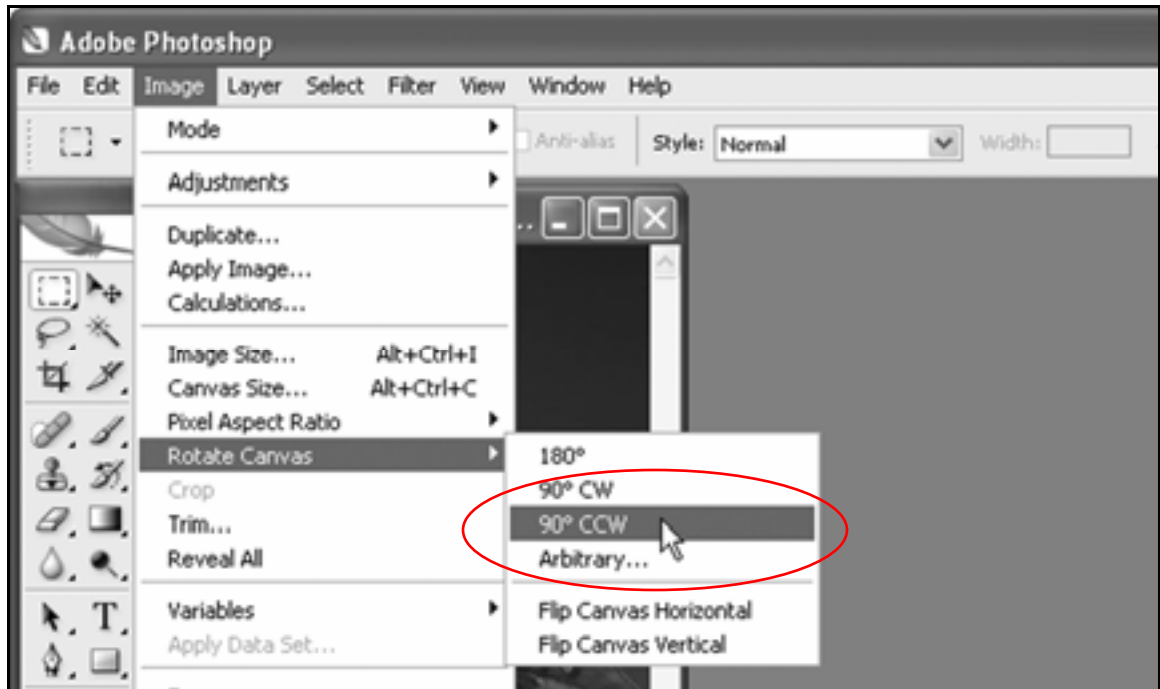
- 6.** Close the graphic without saving changes.

Rotate graphics

1. On the Menu Bar, click **File**, then **Open Recent**, then **Sunflower.psd**.



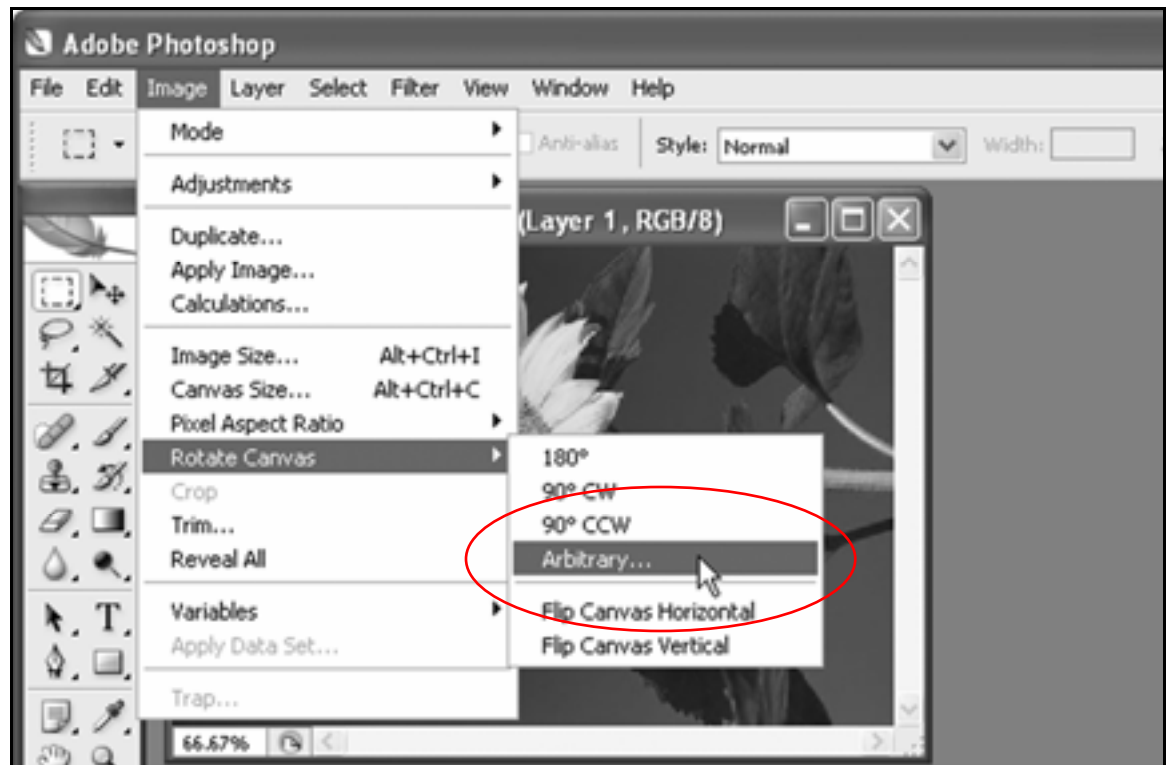
2. On the Menu Bar, click **Image**, **Rotate Canvas**, then **90°CCW**.



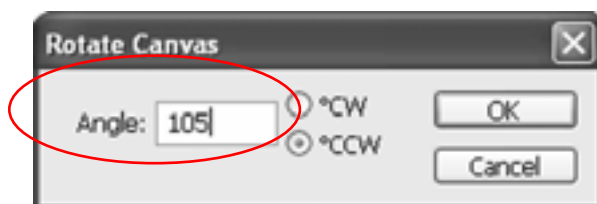
The graphic should look like this:



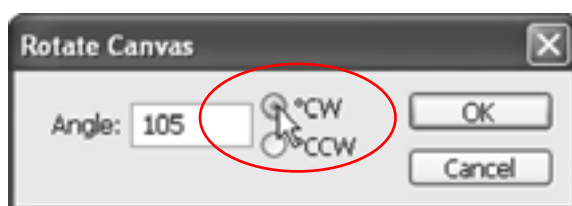
- 3.** On the Menu Bar, click **Image**, **Rotate Canvas**, then **Arbitrary**.



- 4.** In the **Rotate Canvas** window, type:
105
in the **Angle** box.



- 5.** Click the **CW** radio button.



- 6.** Click the  button.

The graphic should now look like this:



- 7.** Close the graphic without saving changes.

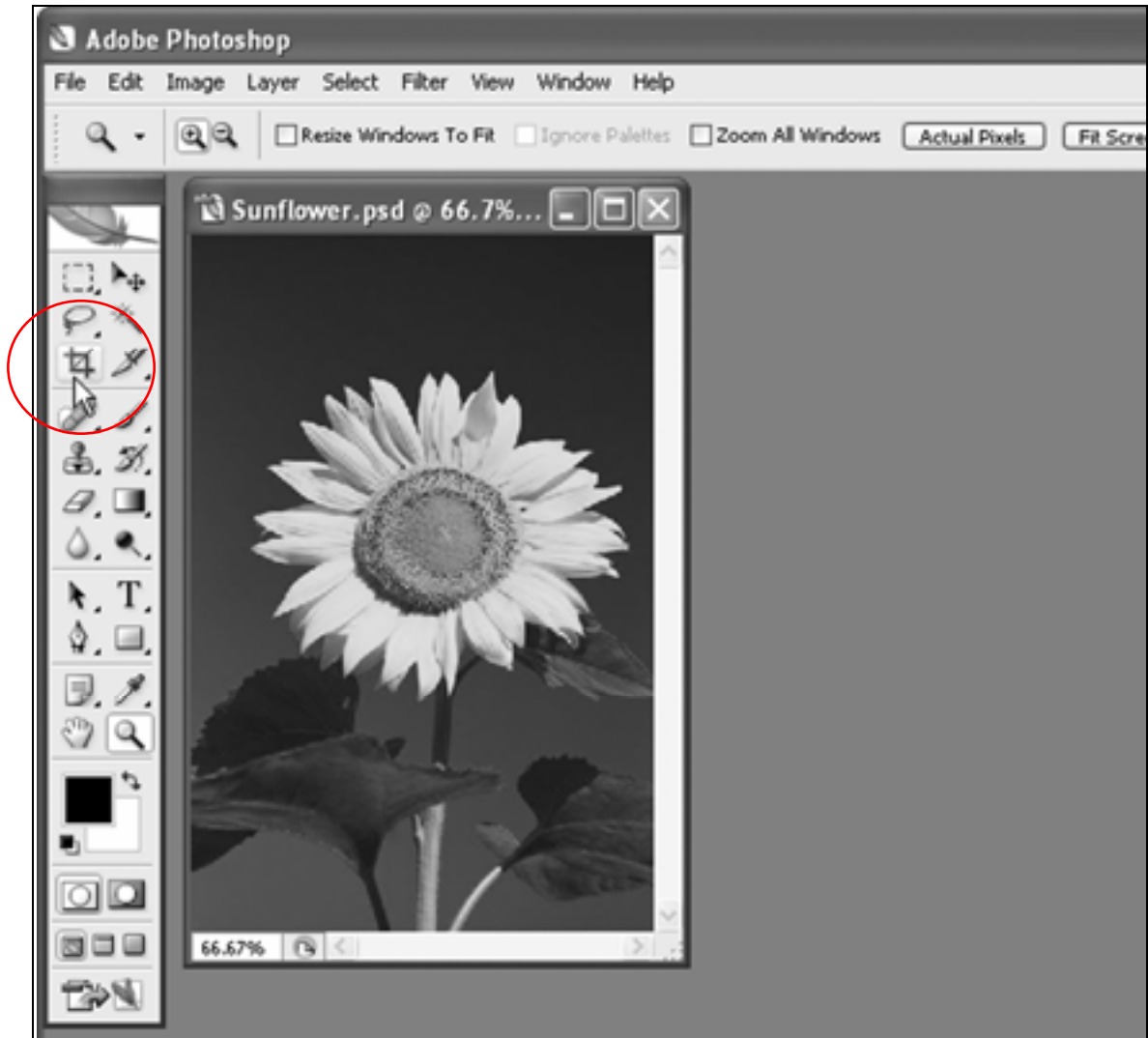
Formatting Graphics

In this section, you'll learn how to:

- **Crop graphics**
- **Reduce file size**
- **Change resolution**
- **Lighten and darken graphics**

Crop graphics

1. Open **Sunflower.psd** from the **Samples** folder at:
C:\ProgramFiles\Adobe\Photoshop CS2\Samples
2. In the Tools palette, click the  icon.



- 3.** Place the cursor above the upper left edge of the sunflower.



Then click and drag until the cursor is below the lower right edge of the petals.



The selection rectangle should outline the flower:



4. Release the mouse button.

5. Double-click inside the selection rectangle.

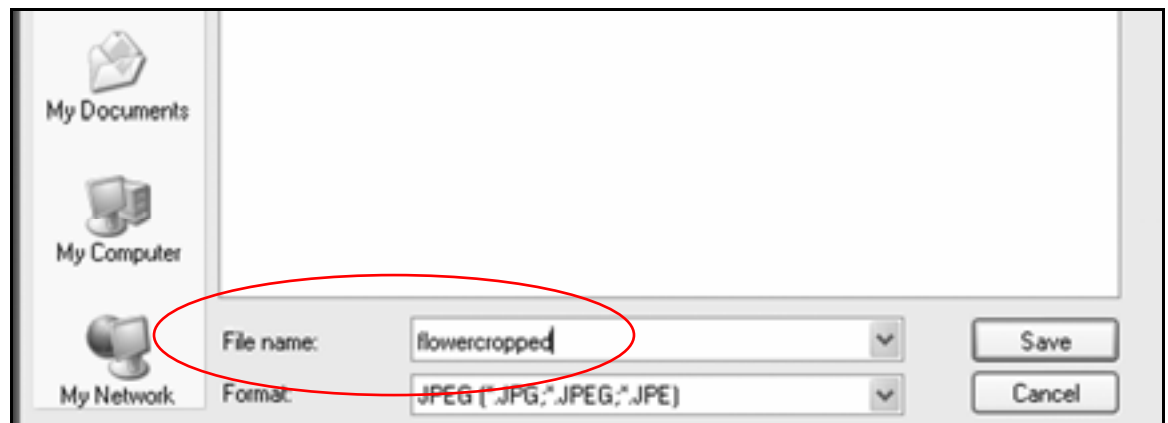


The graphic should look like this:

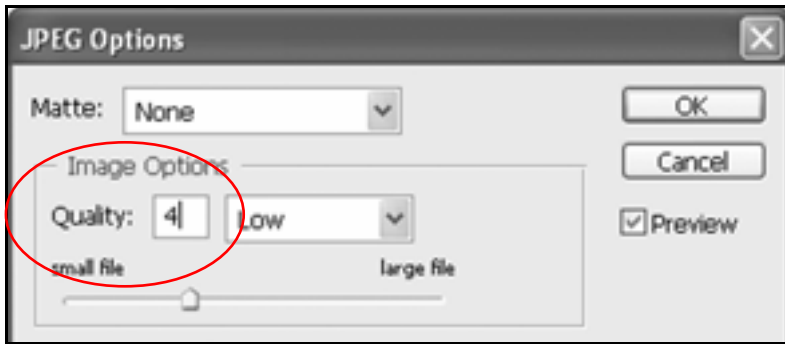


- 6.** On the Menu Bar, click **File**, then **Save As**.

Save the graphic as **flowercropped.jpg** in the **Practice Files** folder.



- 7.** When the **JPEG Options** window appears, type:
4
in the **Quality** box.



- 8.** Click the  button.
- 9.** Close **Sunflower.psd** without saving changes.

Practice

- 1.** Open **Vanishing Point.psd** from the **Samples** folder.
- 2.** Crop the image to show only the bulldog.

When you're done, it should look something like this:



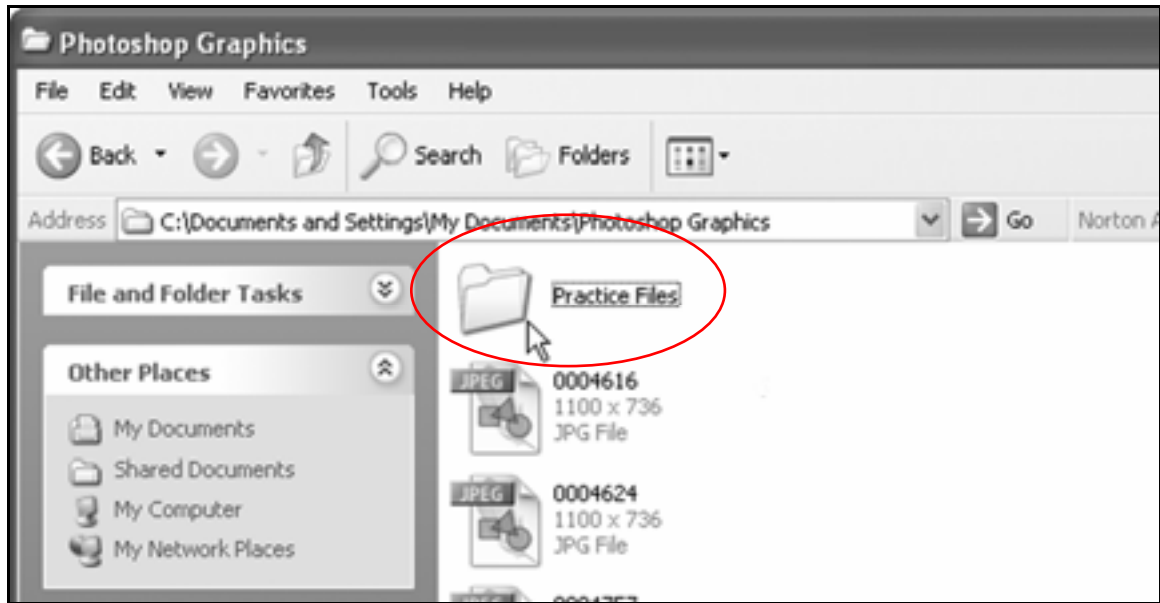
- 3.** Save this graphic as **bulldog.jpg** in the **Practice Files** folder.
- 4.** Close **Vanishing Point.psd** without saving changes.

Reduce file size

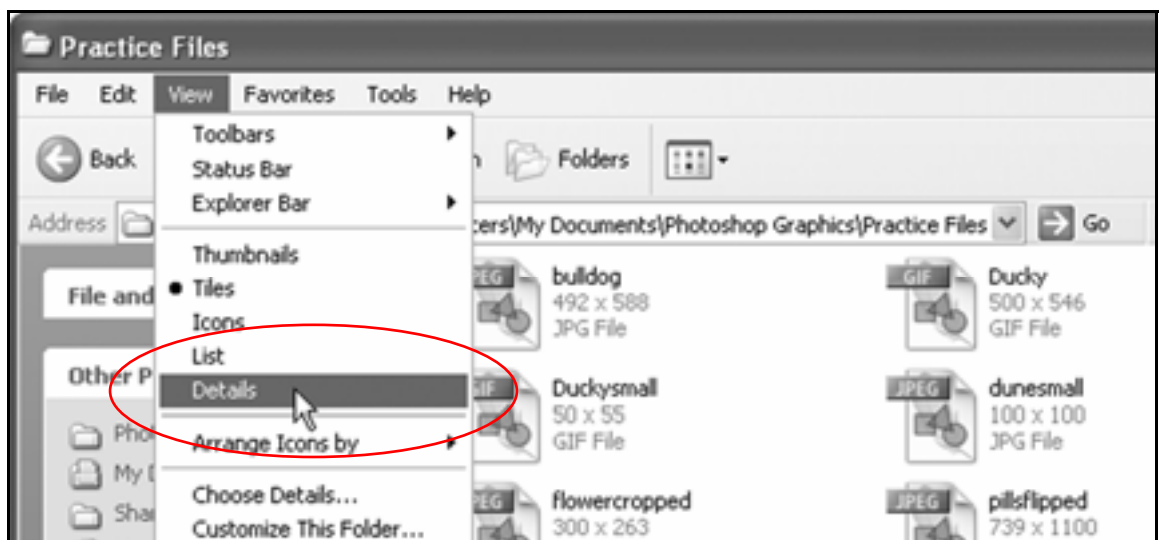
GIFs

1. Click the  button, then **My Computer**.

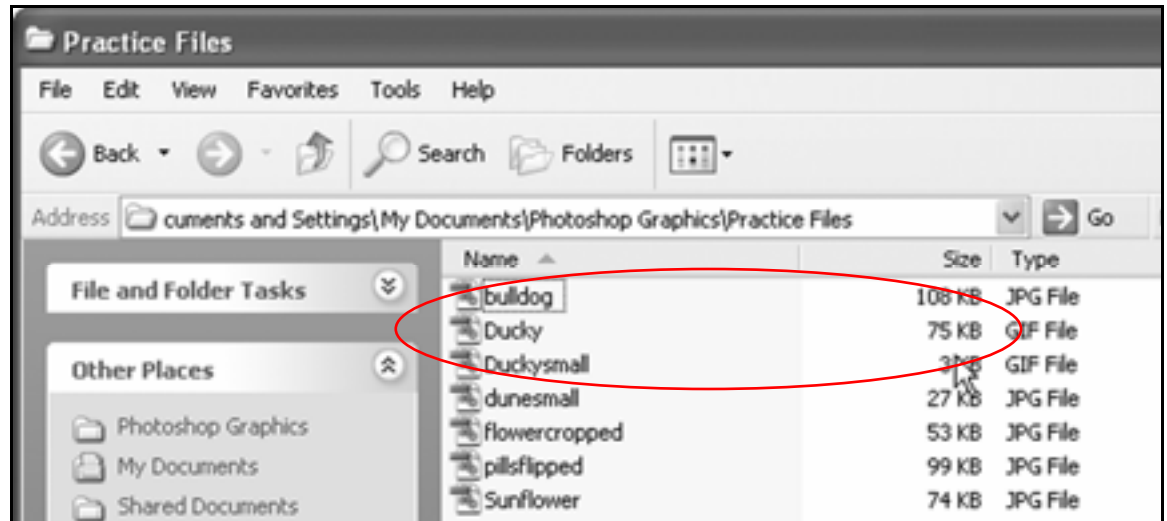
Navigate to the **Practice Files** folder.



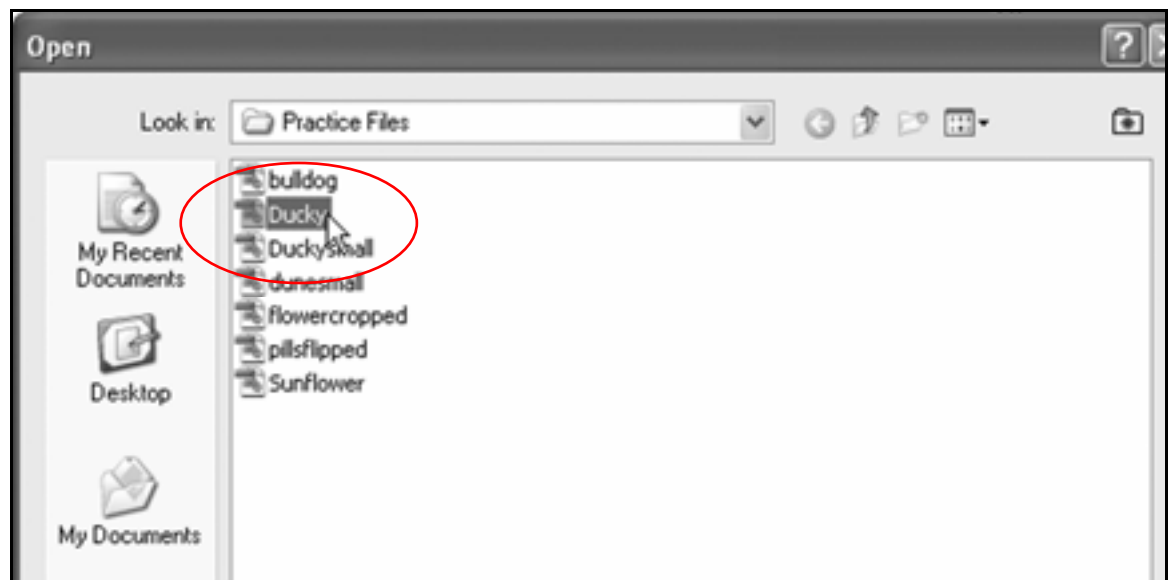
2. Make sure the **Details** view is shown.



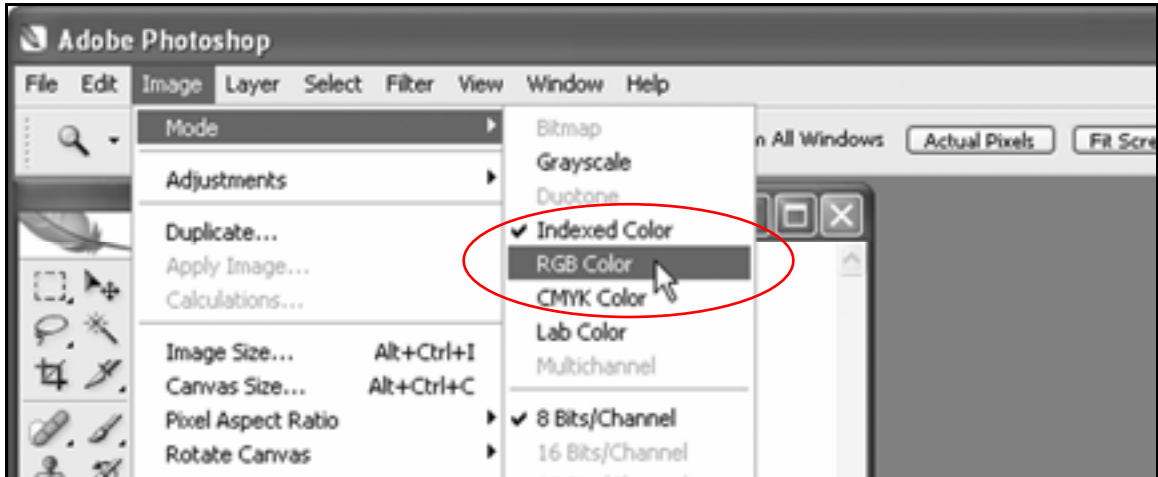
The file size of **Ducky.gif** is 75KB.



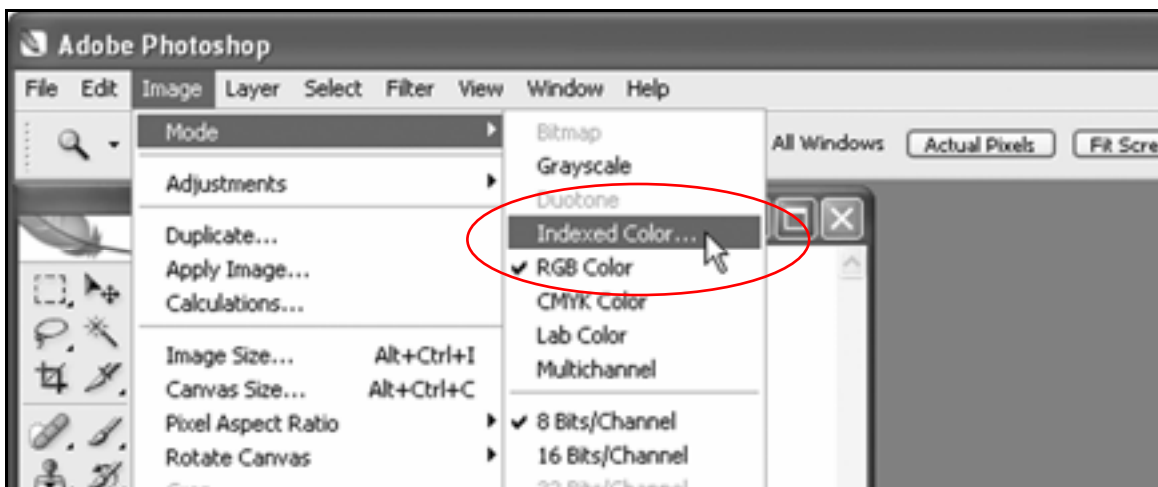
3. In Photoshop, open **Ducky.gif** from the **Practice Files** folder.



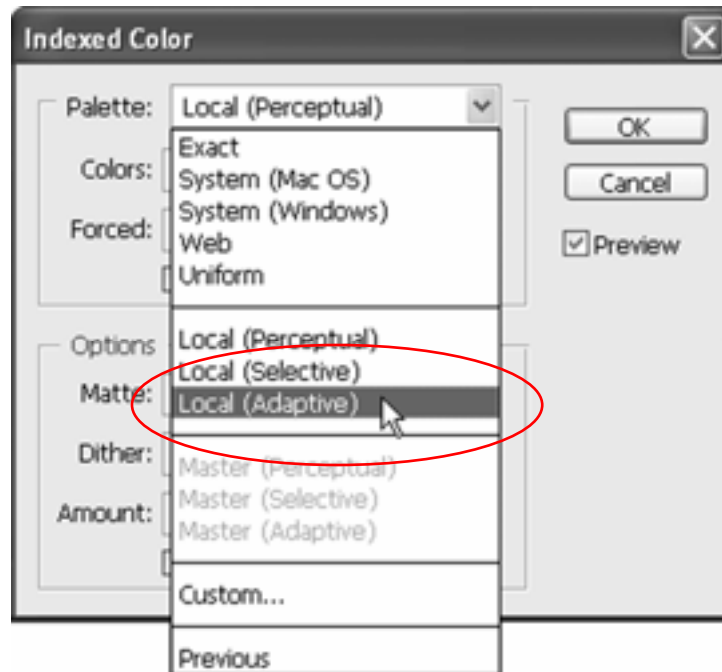
- 4.** On the Menu Bar, click **Image**, **Mode**, then **RGB Color**.



- 5.** On the Menu Bar, click **Image**, **Mode**, then **Indexed Color**.



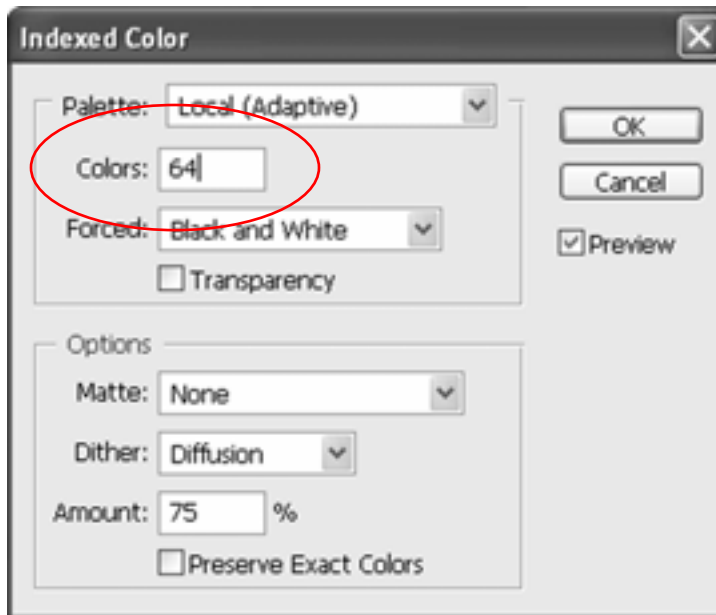
- 6.** When the **Indexed Color** window appears, make sure the **Palette** is **Local (Adaptive)**.



Then type:

64

in the **Colors** box.



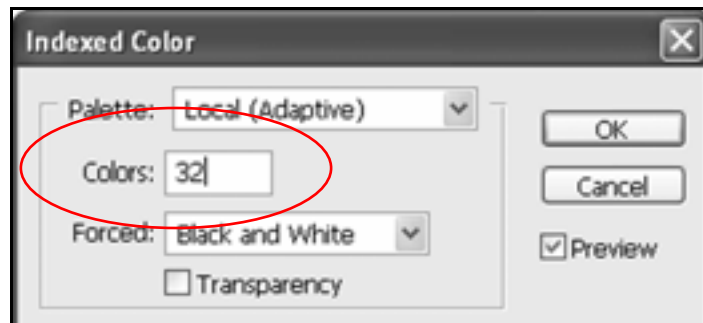
The graphic should look like this:



7. Type:

32

in the **Colors** box.



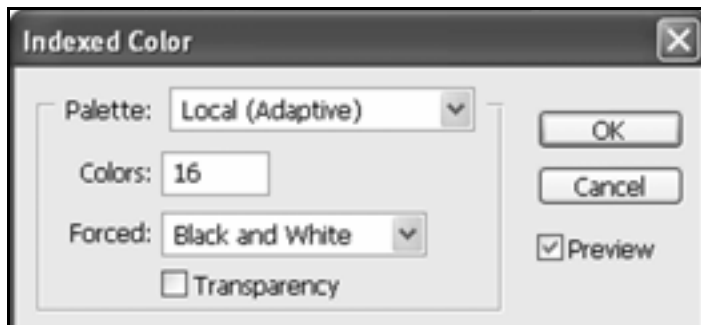
The graphic should look like this:



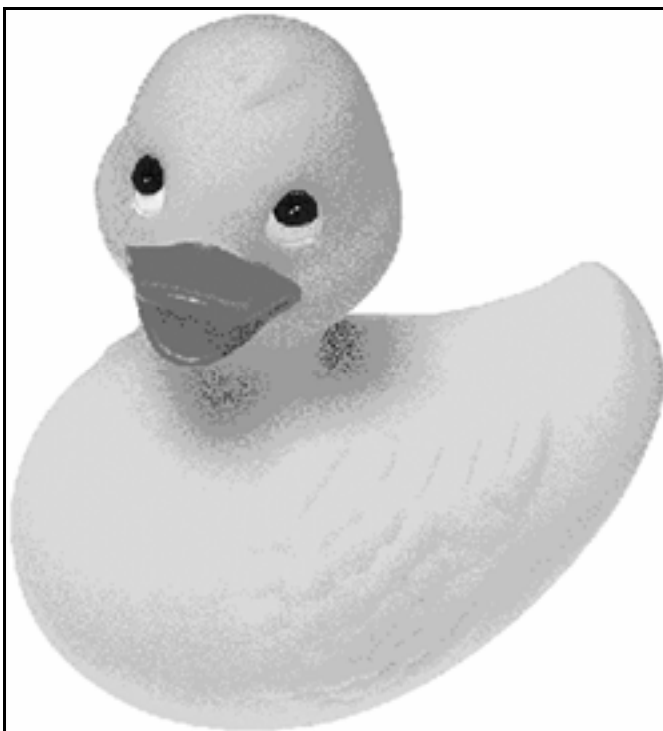
8. Type:

16

in the **Colors** box.



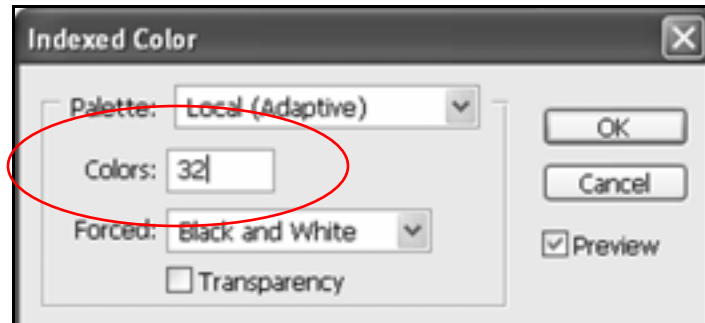
The graphic should look like this:



9. Type:

32

in the **Colors** box.



The graphic should look like this:



10. Click the  button.

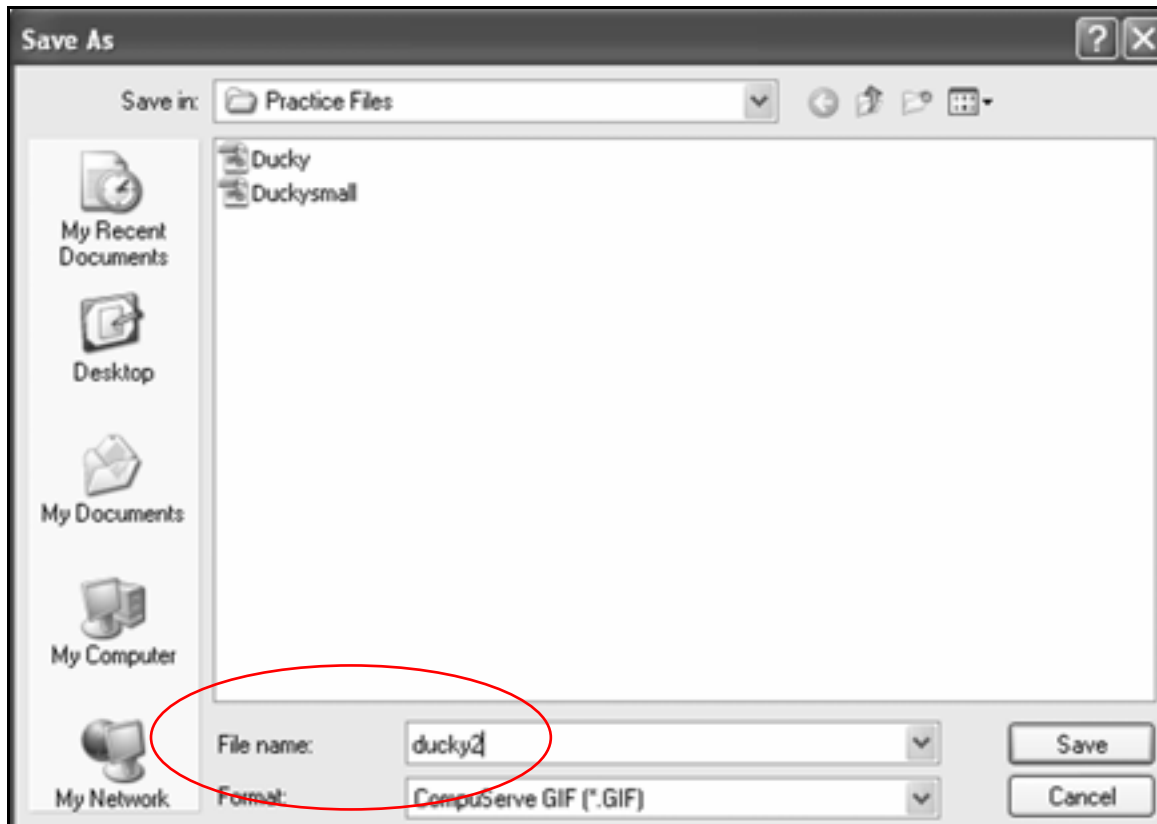
11. On the Menu Bar, click **File**, then **Save As**.

12. When the **Save As** window appears, navigate to the **Practice Files** folder.

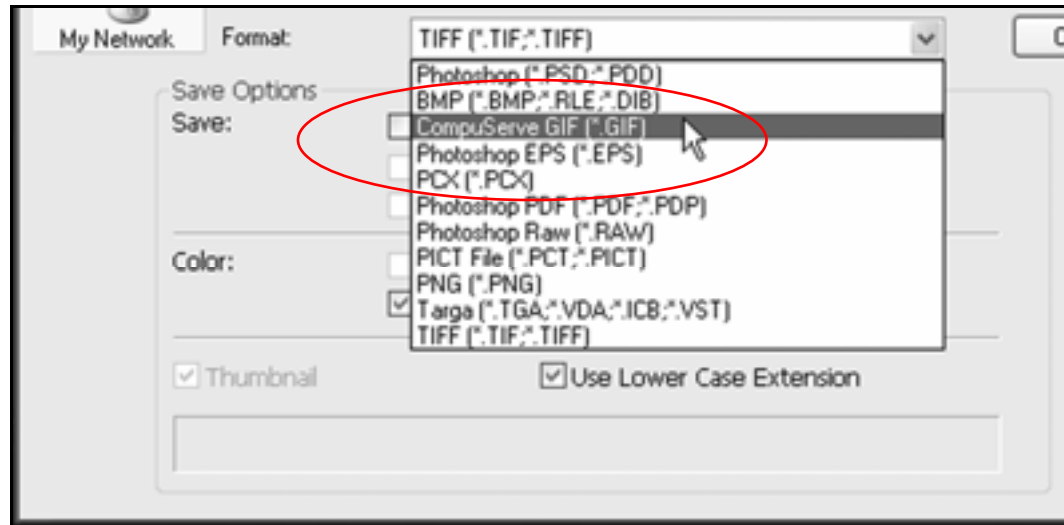
Then type:

ducky2

in the **File name** box.

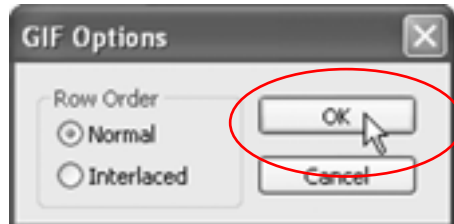


- 13.** In the **Format** drop-down list, click **CompuServe GIF (*.GIF)**



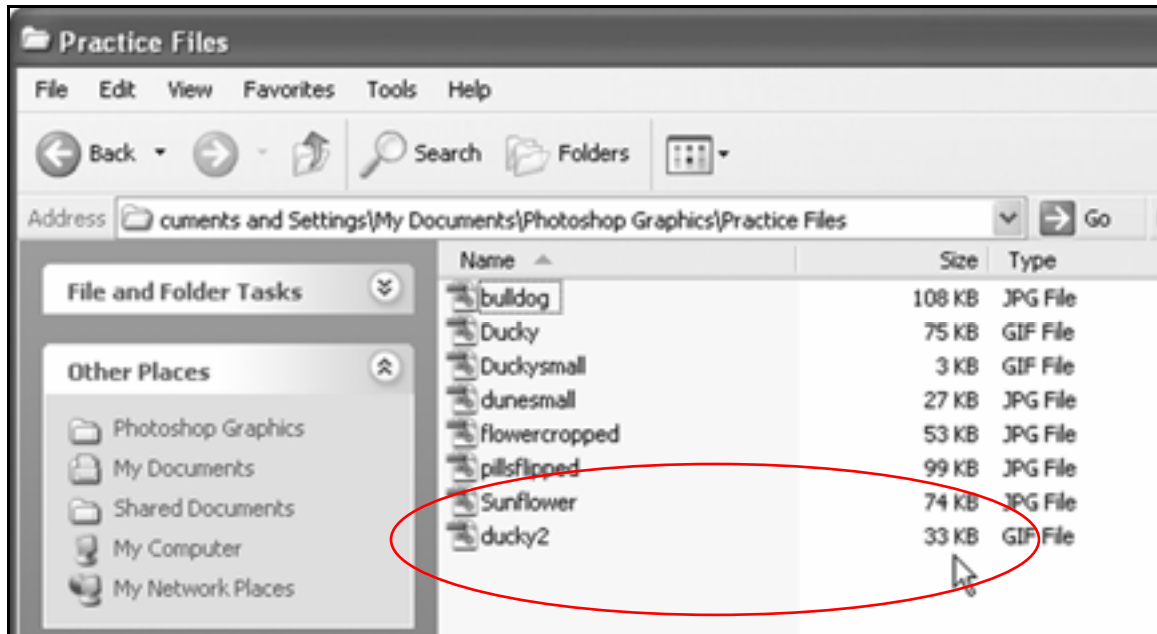
Then click the  button.

- 14.** When the **GIF Options** window appears, click the  button.



15. On the Taskbar, click the **My Computer** button.

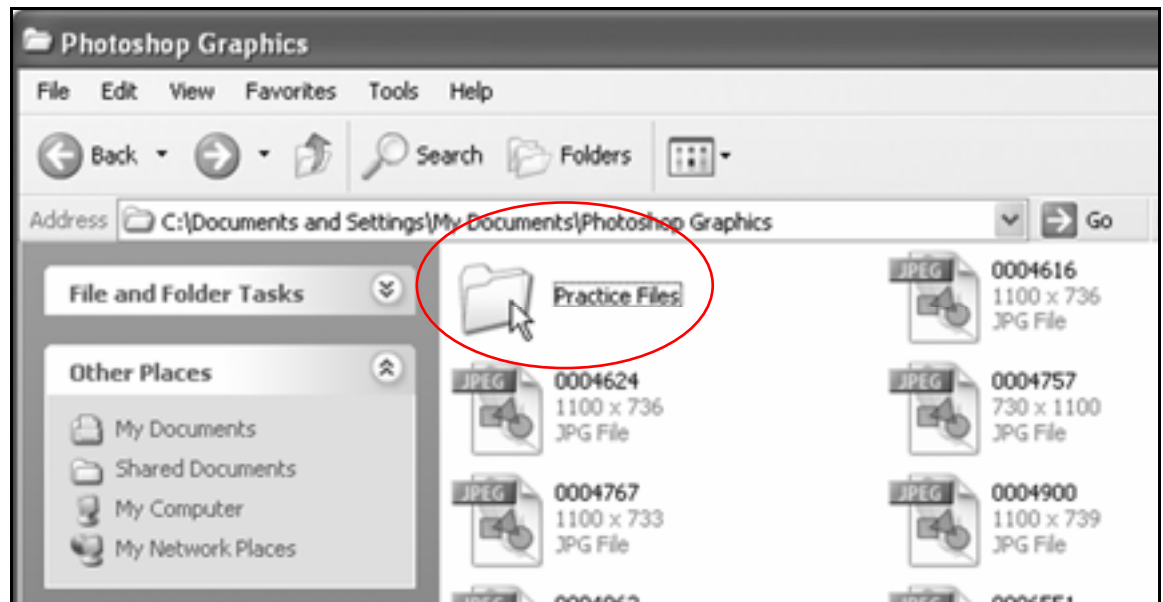
In the **Practice Files** folder, the file size of **ducky2.gif** should be 33KB.



JPEGs

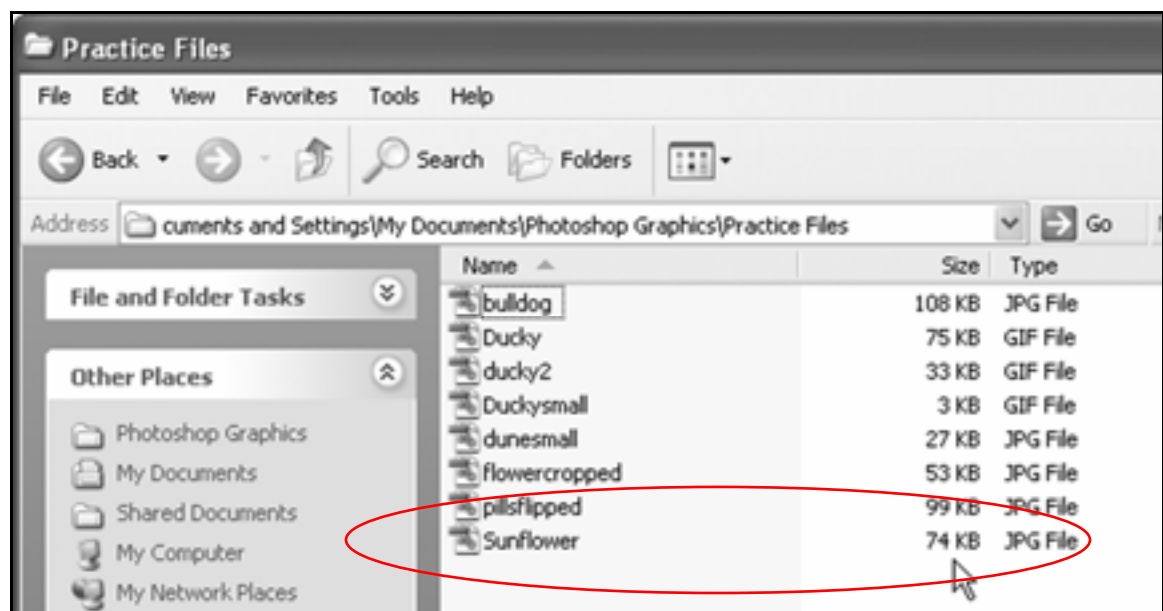
1. Click the  button, then **My Computer**.

Navigate to the **Practice Files** folder.

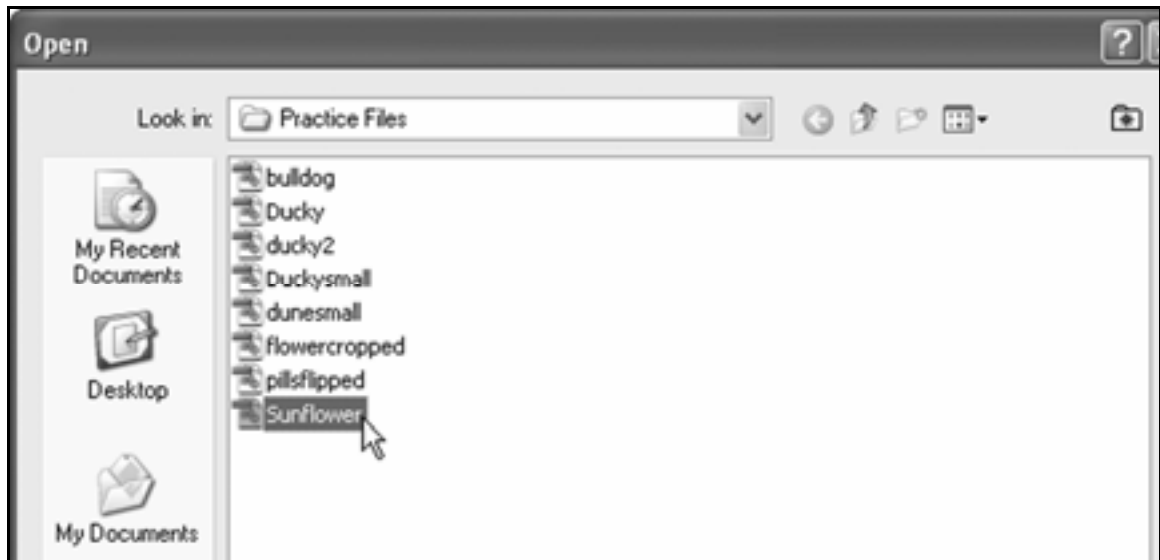


2. Make sure the Details view is shown.

The file size of **Sunflower.jpg** is 74KB.



- 3.** In Photoshop, open **Sunflower.jpg** from the **Practice Files** folder.

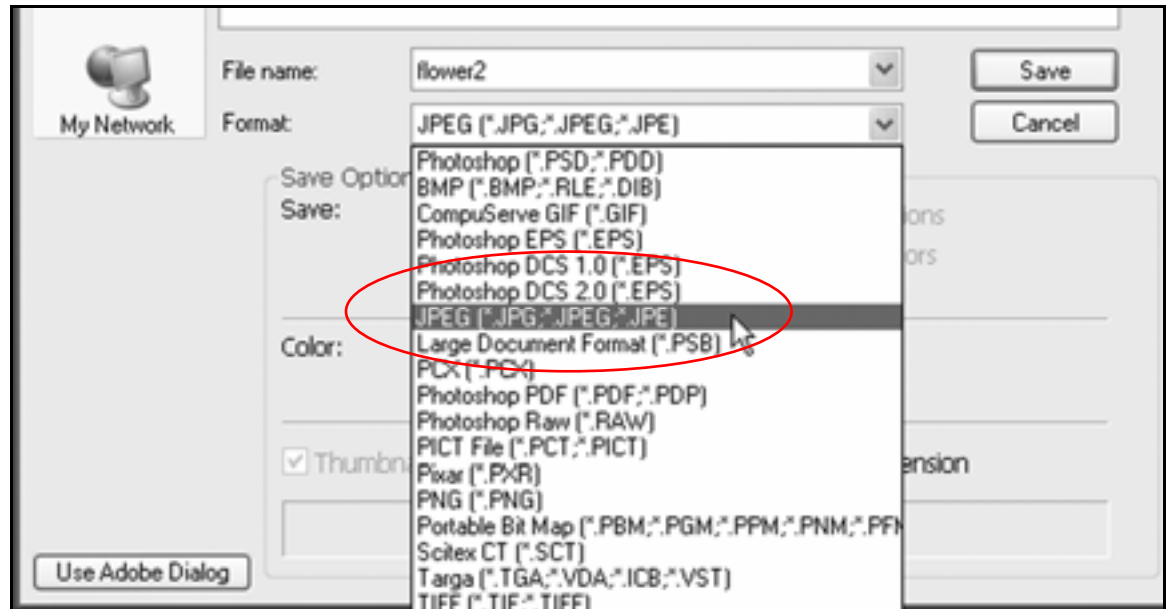


- 4.** On the Menu Bar, click **File**, then **Save As**.

5. When the **Save As** window appears, type:
flower2

in the **File name** box.

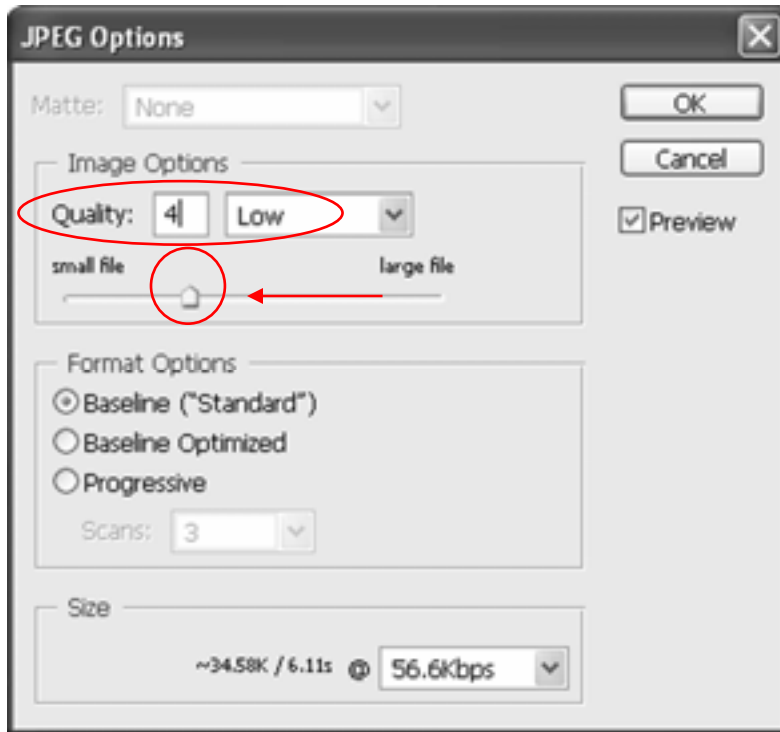
Then make sure that **JPEG** is selected in the **Format** drop-down list.



6. Click the  button.

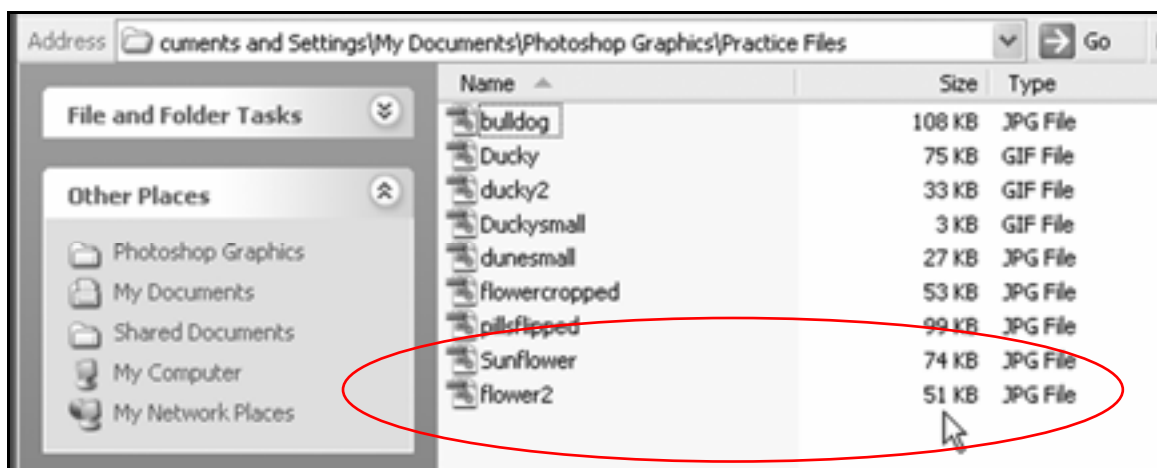
- 7.** When the **JPEG Options** window appears, slide the **Quality** slider down to **4**.

It should read **Low**.



- 8.** Click the **OK** button.

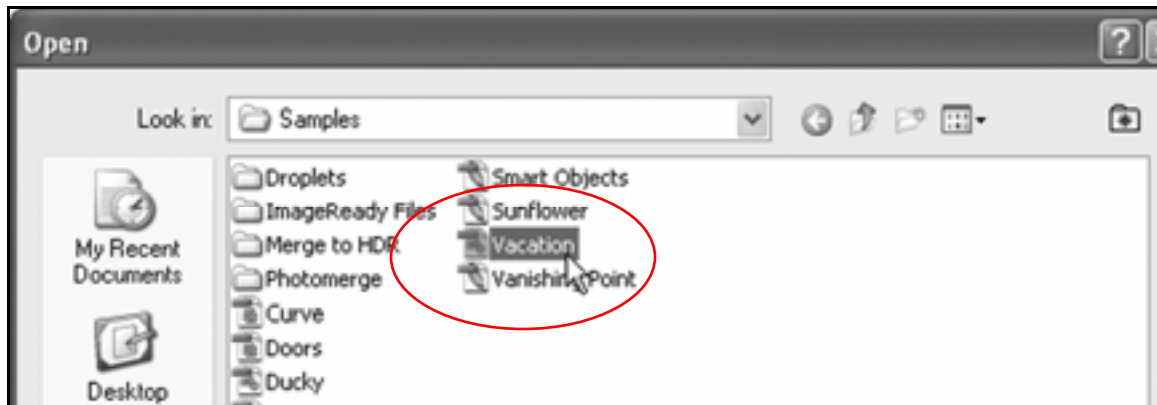
In the **Practice Files** folder, the file size of **flower2.jpg** should be 51KB.



9. Close **flower2.jpg**.

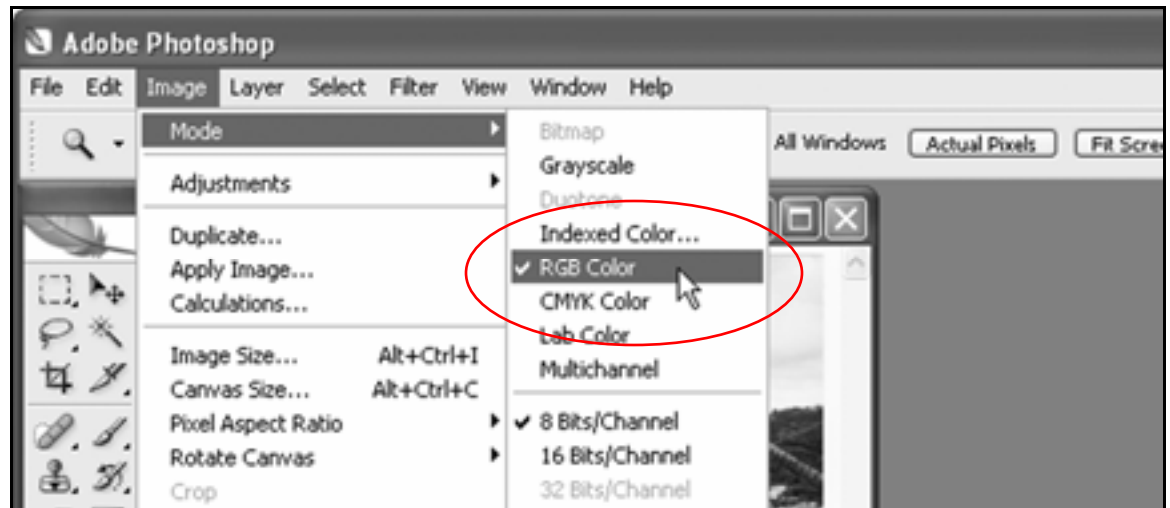
Change resolution

1. Open **Vacation.tif** from the **Samples** folder.



2. On the Menu Bar, click **Image**, then **Mode**.

RGB Color should be checked.

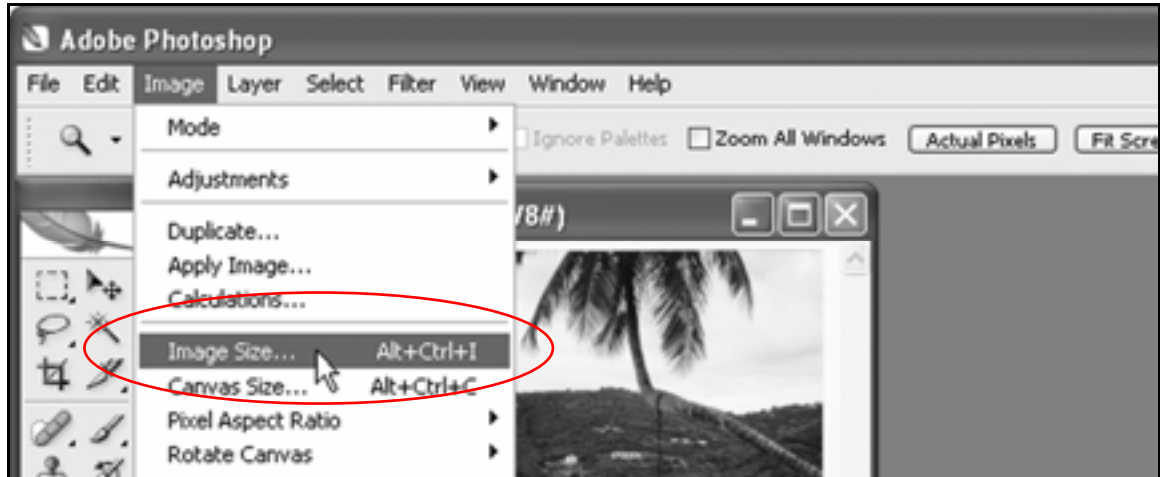


RGB vs. CMYK

CMYK stands for Cyan, Magenta, Yellow and Black. These four inks are used in printed documents

Web graphics use the RGB color mode. RGB stands for Red, Green and Blue. These colors combine to make the colors displayed on a computer monitor.

3. On the Menu Bar, click **Image**, then **Image Size**.

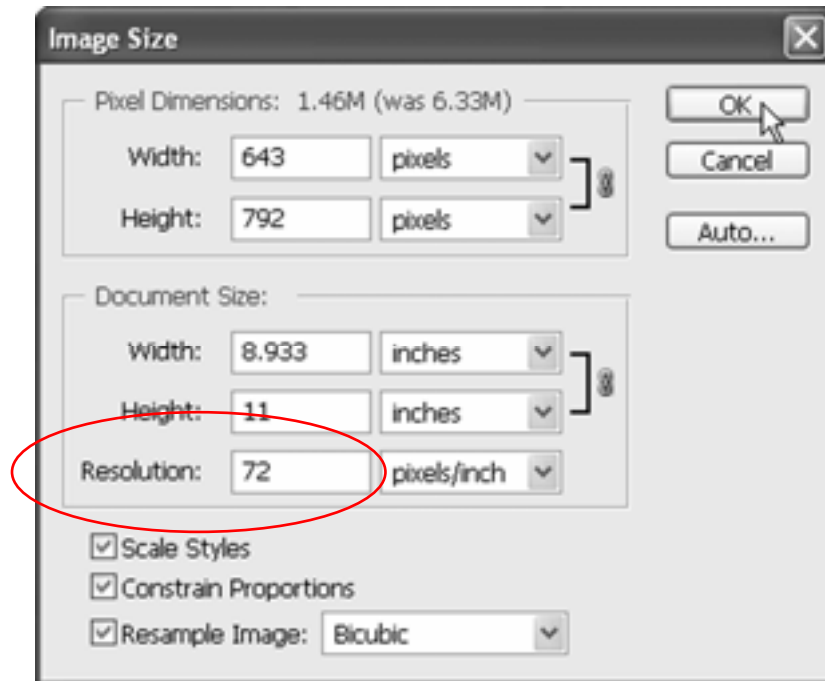


When the **Image Size** window appears, note that the **Resolution** is **150 pixels/inch**.

4. In the **Resolution** box, type:

72

then click the  button.

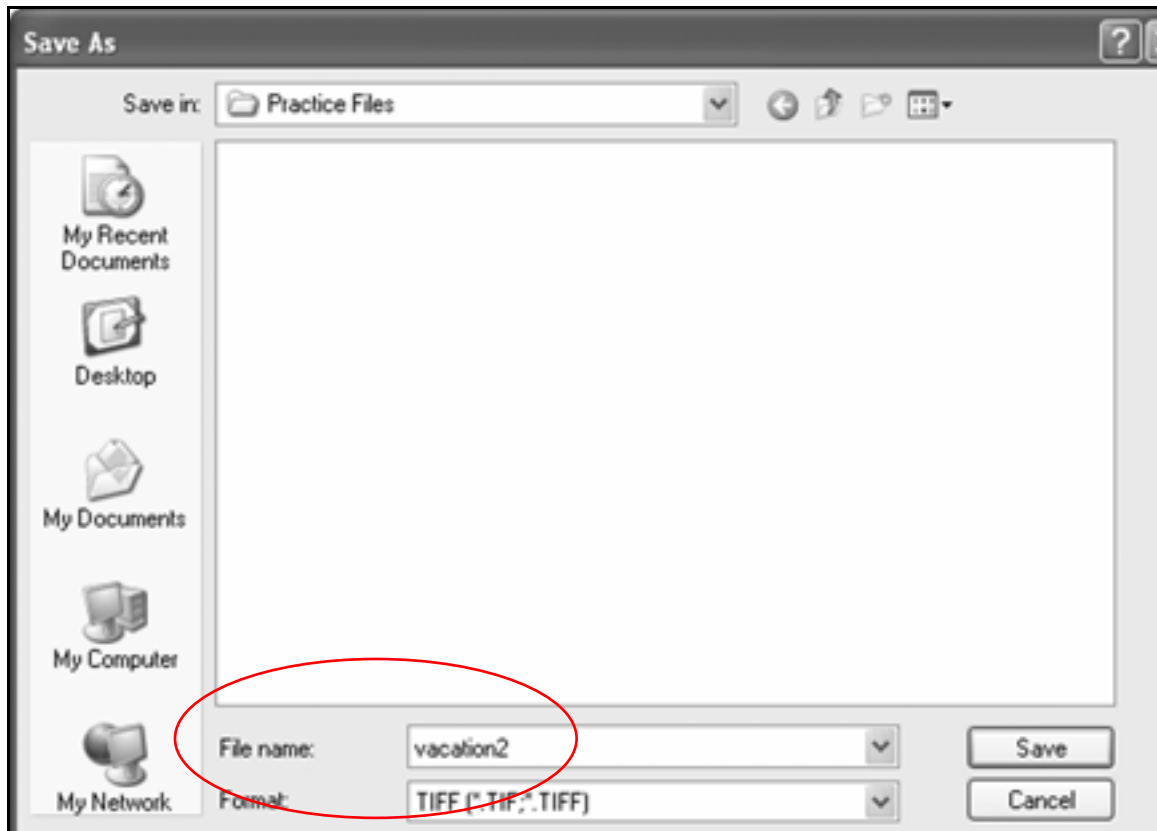


5. On the Menu Bar, click **File**, then **Save As**.

When the **Save As** window appears, type:

vacation2

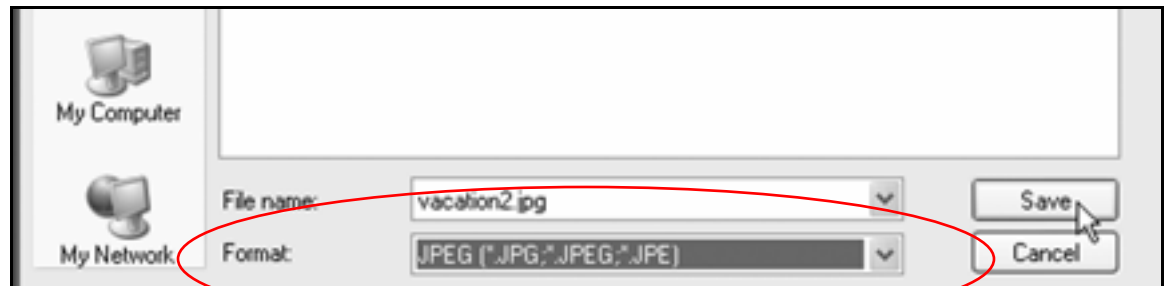
in the **File name** box.



6. Make sure the **Practice Files** folder is in the **Save in** box.

Click **JPG** in the **Format** list.

Then click the  button.



7. Close **vacation2.jpg**.

Resolution of Web graphics

Graphic resolution is the spacing of pixels or dots in the graphic. It's measured in dots (or pixels) per inch (dpi).

A typical computer monitor resolution is 72 dpi. That's all you really need for Web graphics. Higher resolution doesn't make them sharper, just slower to download.

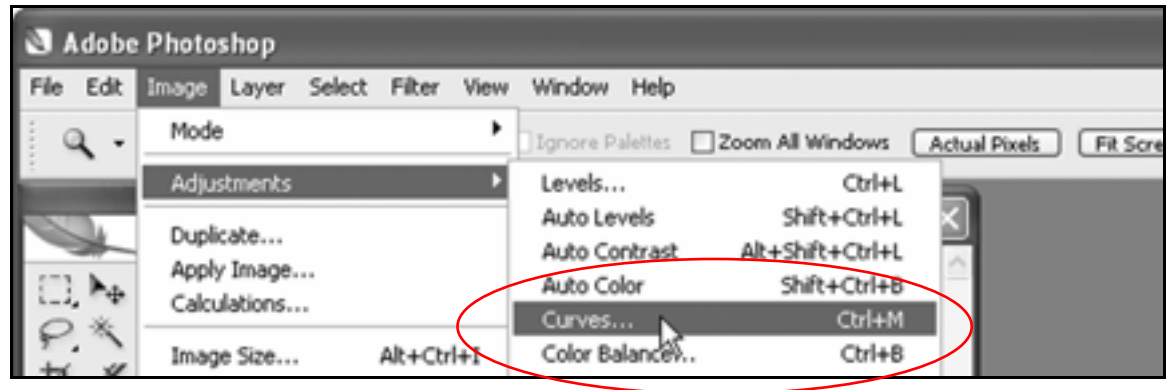
For printed publications, use graphics at a higher resolution, such as 300 or 600 dpi.

Practice

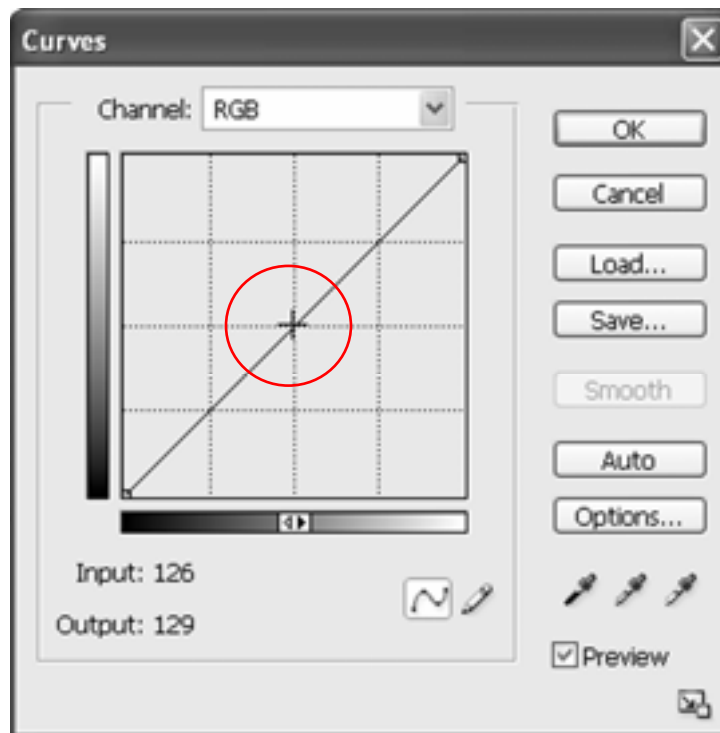
- 1.** Open **Family.psd** from the **Photoshop Graphics** folder.
- 2.** Convert the graphic to **RGB Color**.
- 3.** Change its resolution to **72 pixels/inch**.
- 4.** Save it as **family.jpg** with a **Quality** of **5**, in the **Practice Files** folder, then close it.

Lighten/darken graphics

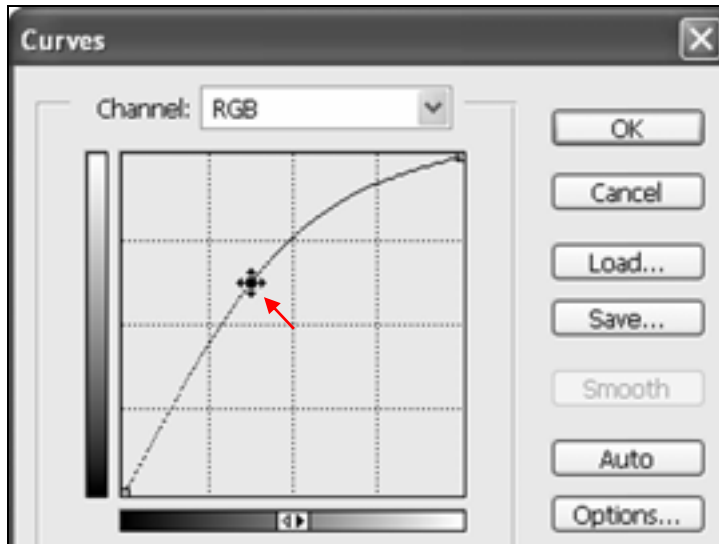
1. Open **Rushmore.jpg** from the **Photoshop Graphics** folder.
2. On the Menu Bar, click **Image**, **Adjustments**, then **Curves**.



3. When the **Curves** window appears, place the cursor in the middle of the diagonal line.



- 4.** Drag it up and to the left until it's in the middle of the closest box.



- 5.** Release the mouse button, then click the  button.

Rushmore.jpg should now be lighter:

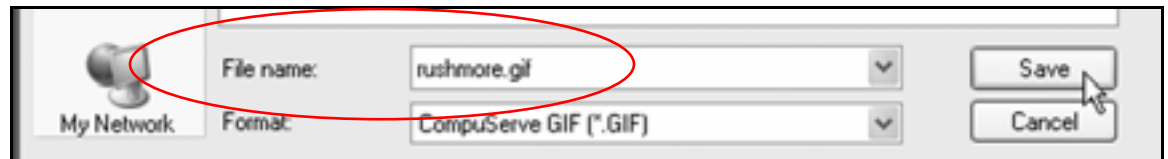


- 6.** On the Menu Bar, click **Image**, **Mode**, then **Indexed Color**.

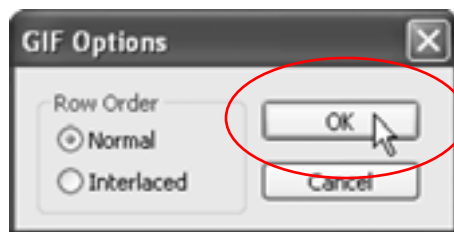
When the **Indexed Color** window appears, click the  button.

- 7.** On the Menu Bar, click **File**, then **Save As**.

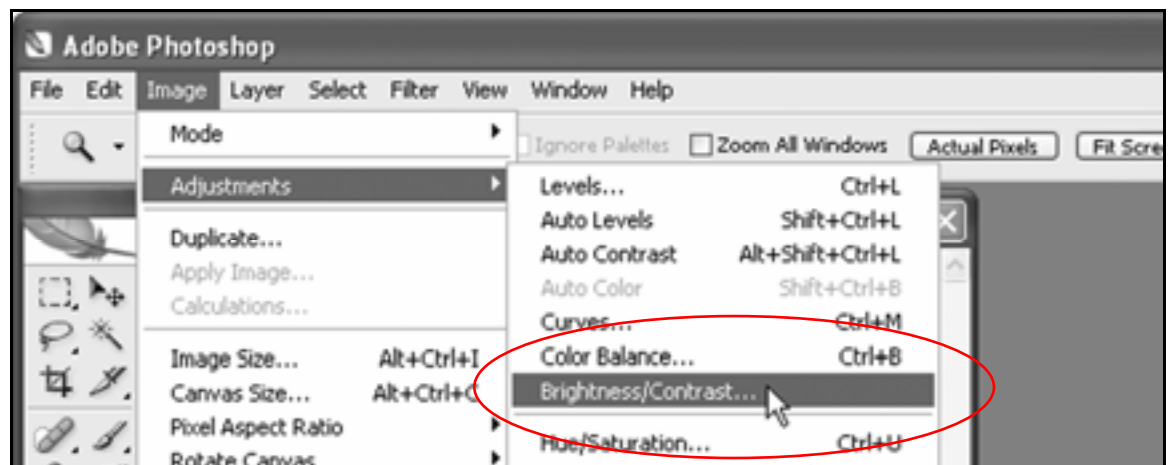
Save the graphic as **rushmore.gif** in the **Practice Files** folder.



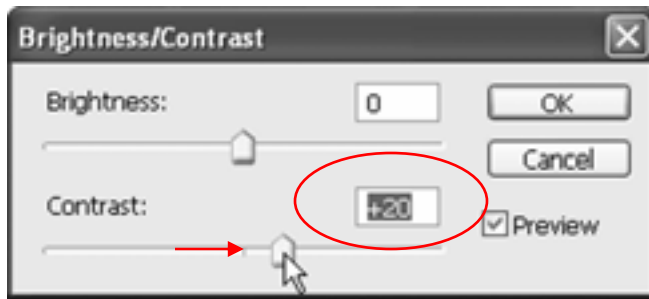
Tip: If the **GIF Options** window appears, click the **OK** button.



- 8.** On the Menu Bar, click **Image**, **Adjustments**, then **Brightness/Contrast**.



- 9.** When the **Brightness/Contrast** window appears, move the **Contrast** slider to the right until the box reads **+20**.



Move the **Brightness** slider to the left until the box reads **-20**.



- 10.** Click the **OK** button.



- 11.** Save, then close **rushmore.gif**.

Creating Graphics

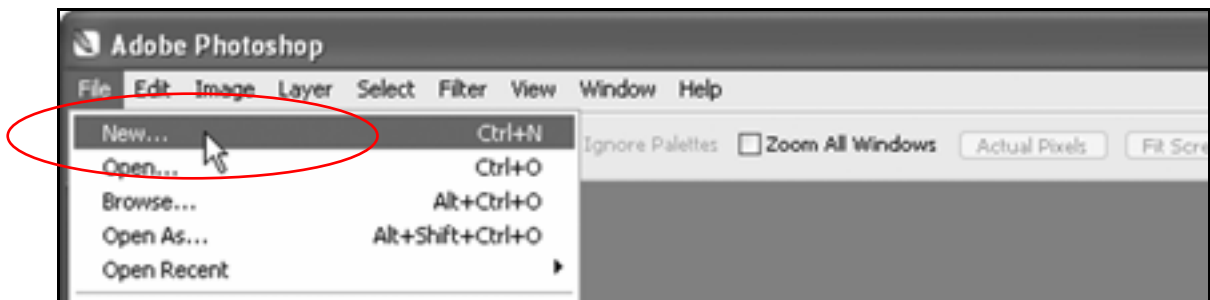
In this section, you'll learn how to:

- **Draw and Paint**
- **Create text graphics**
- **Replace colors**
- **Create shapes**

Draw and Paint

Create a graphic background

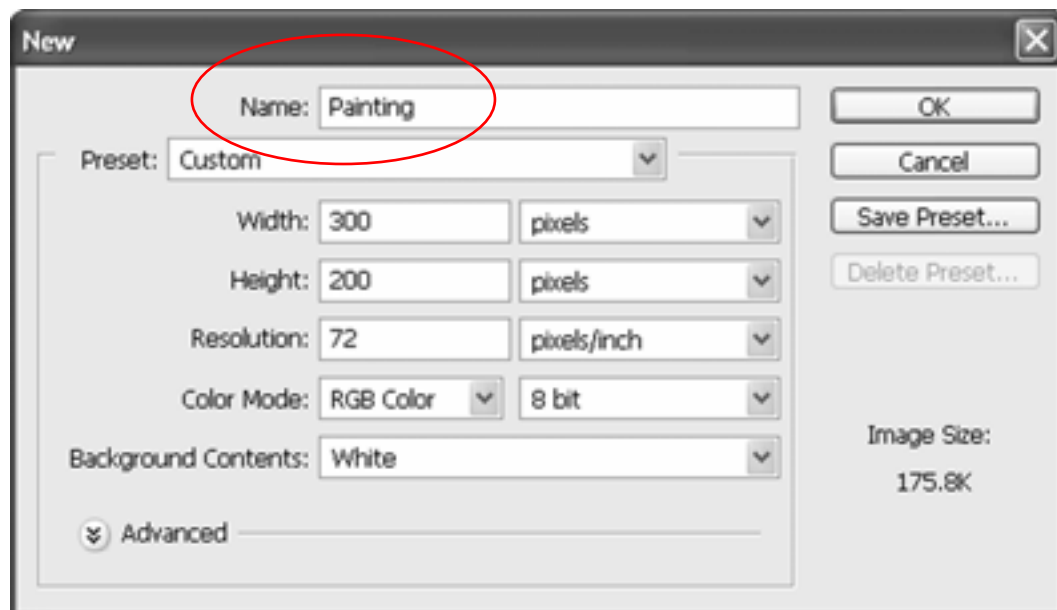
1. Open Photoshop.
2. On the Menu Bar, click **File**, then **New**.



3. When the **New** window appears, type:

Painting

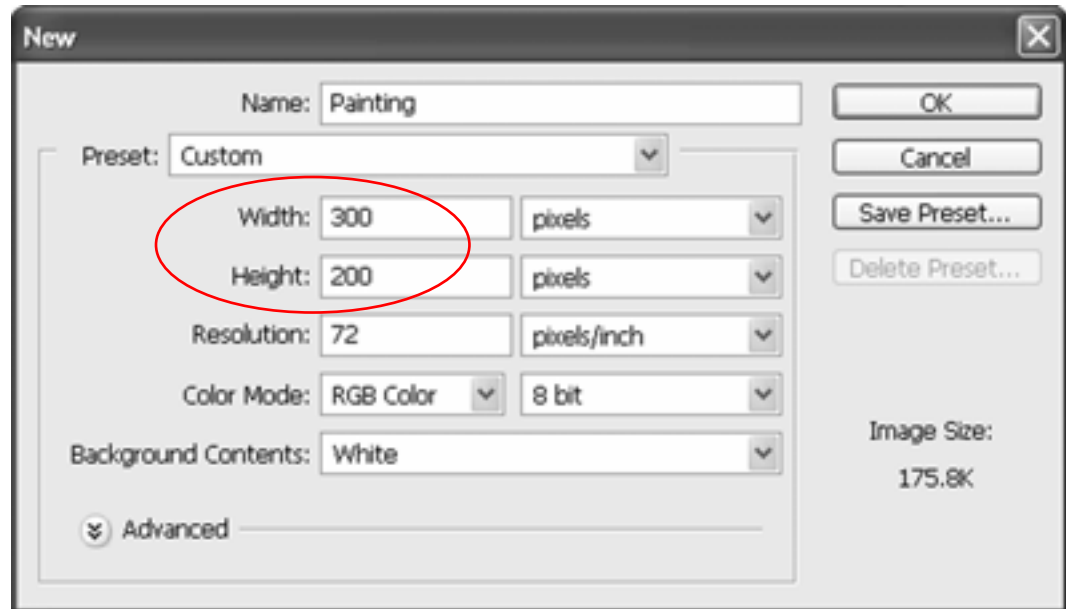
in the **Name** box.



- 4.** Make sure the **Color Mode** field reads **RGB Color**, and the **Background Contents** field shows **White**.

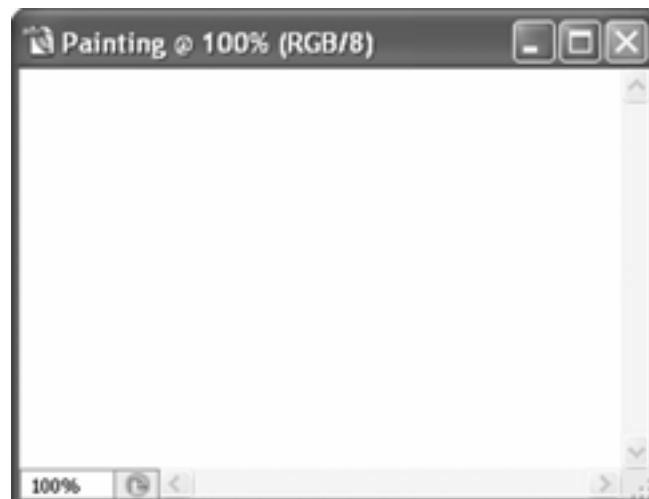
For **Width**, enter **300** pixels.

For **Height**, enter **200** pixels.



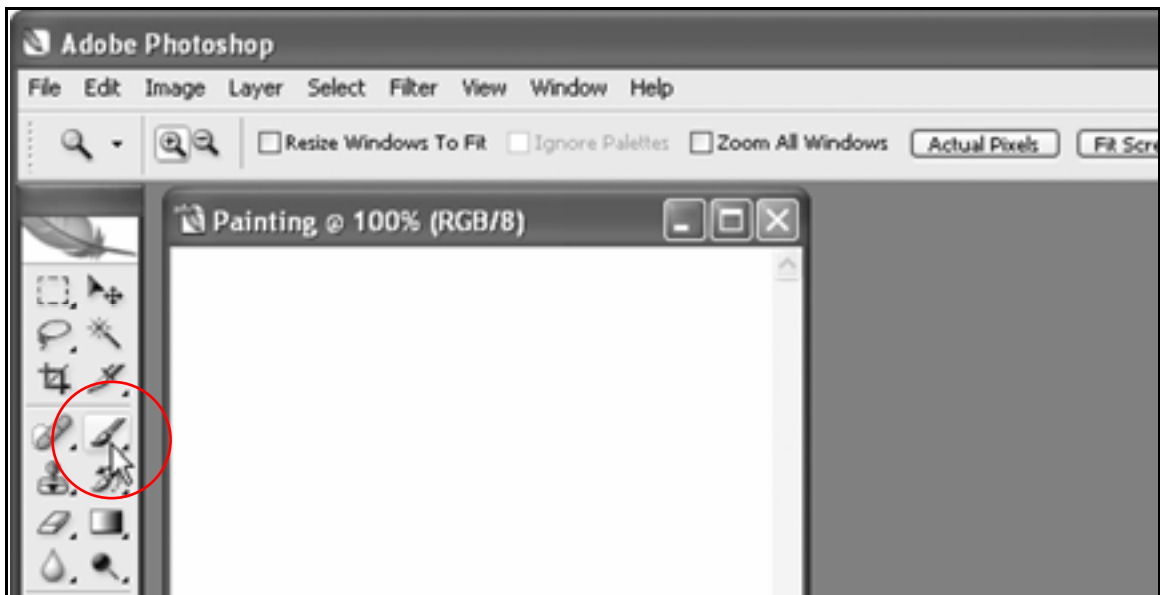
- 5.** Click the  button.

The **Painting** window should appear and look like this:

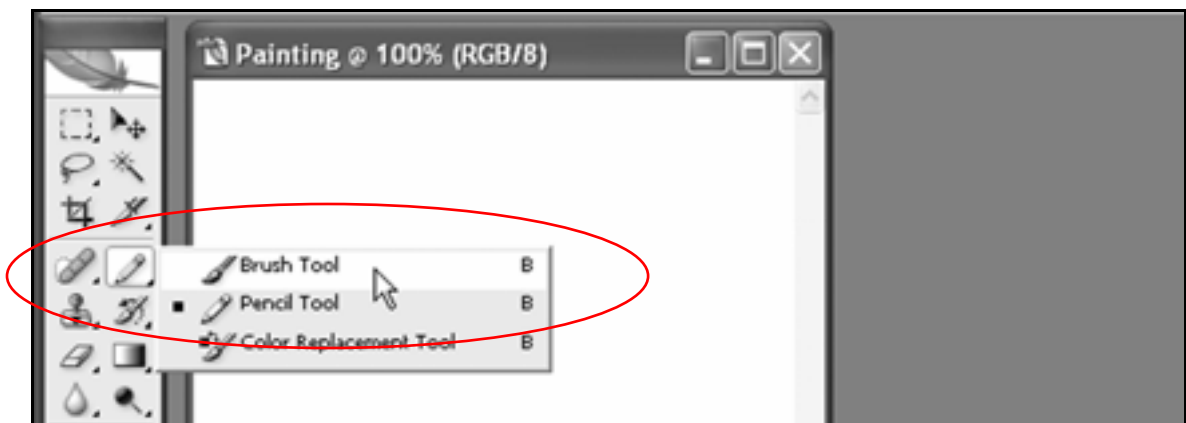


Use the Paint Brush

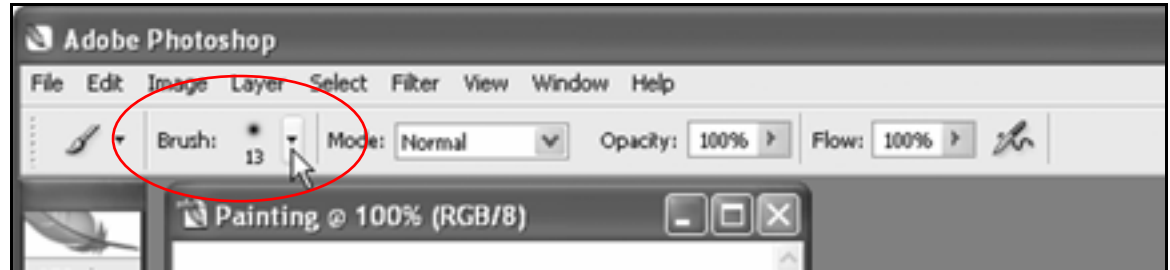
1. In the Tools palette, click the  icon.



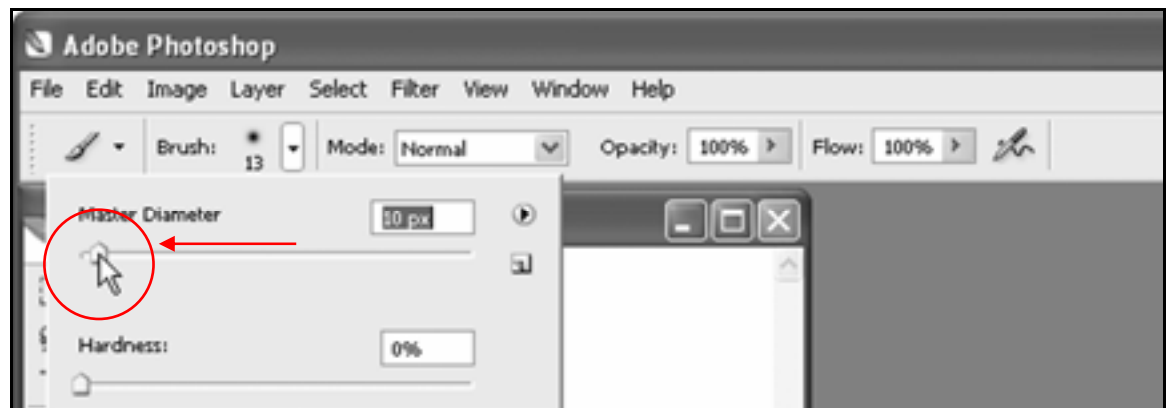
Tip: If it shows the  icon instead, click on it and hold down the mouse button. The  icon should appear.



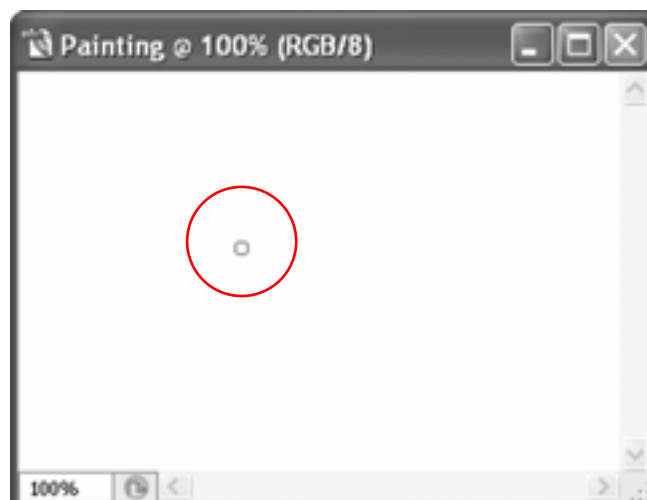
- 2.** On the Toolbar, click the **Brush** drop-down arrow.



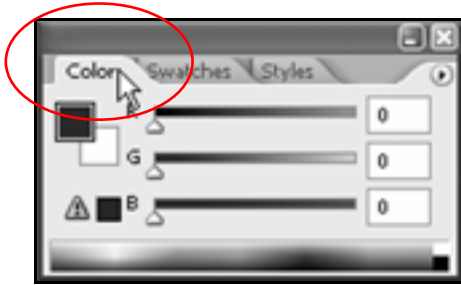
- 3.** Move the **Master Diameter** slider until it reads **10**.



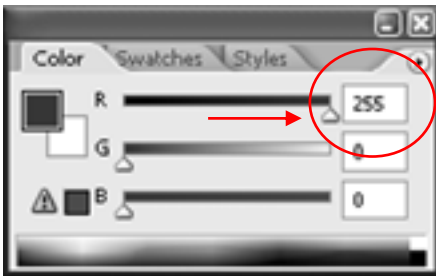
- 4.** Place the cursor on the **Painting** window.



- 5.** In the Color Palette, click the **Color** tab.



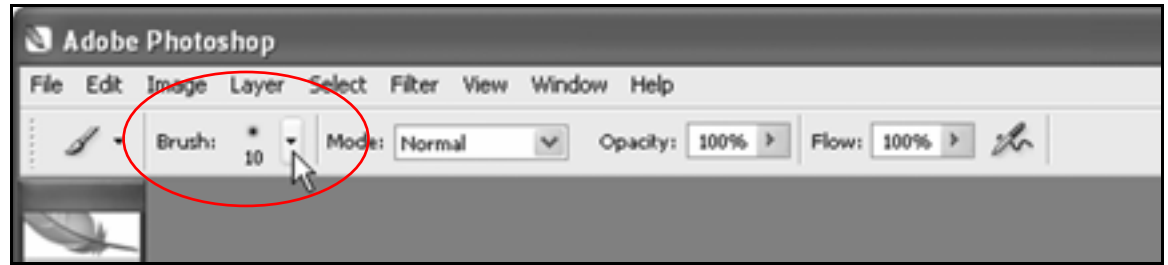
- 6.** Move the **R** slider right until it reads **255**.



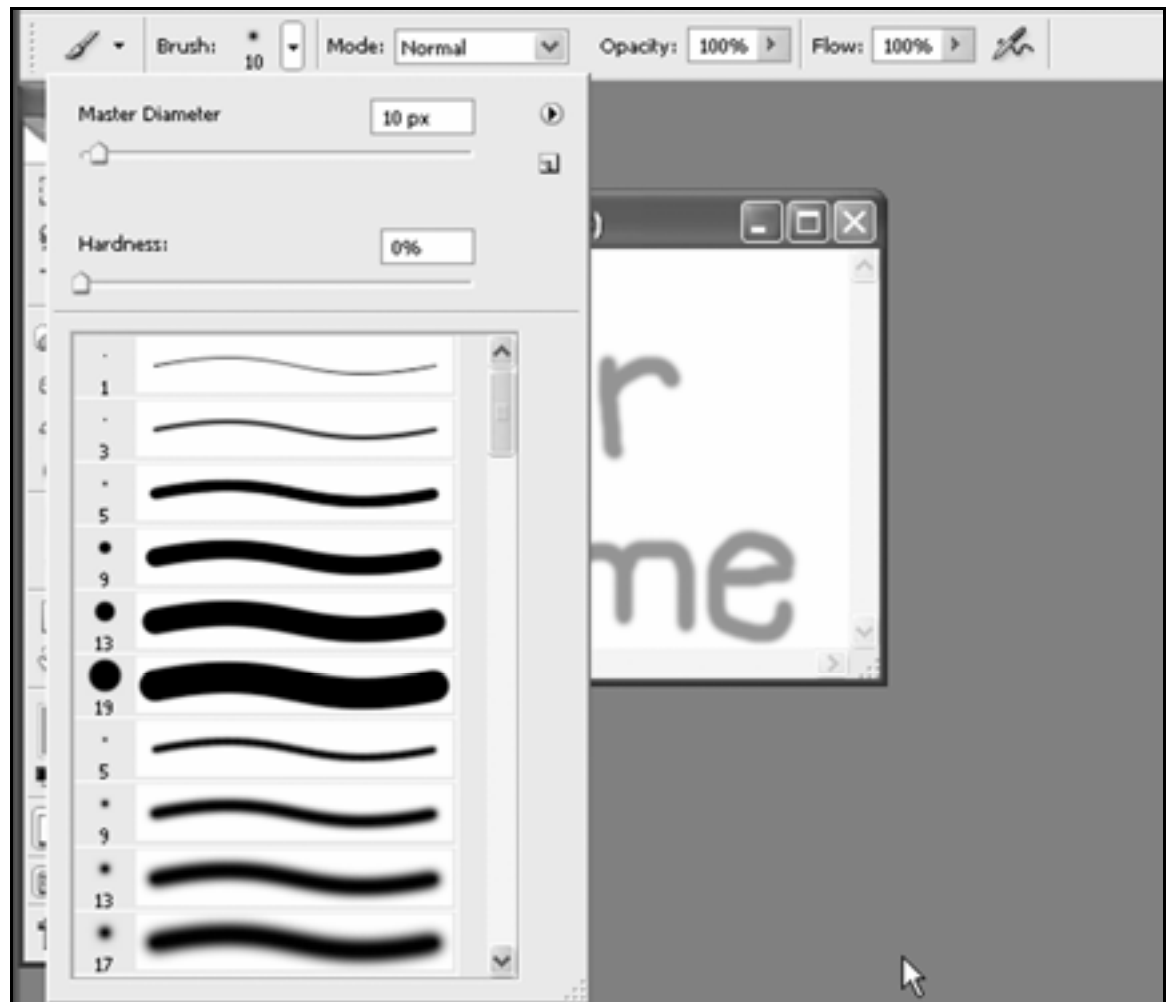
- 7.** Click and drag the cursor to write your name.



- 8.** On the Toolbar, click the **Brush** drop-down arrow.



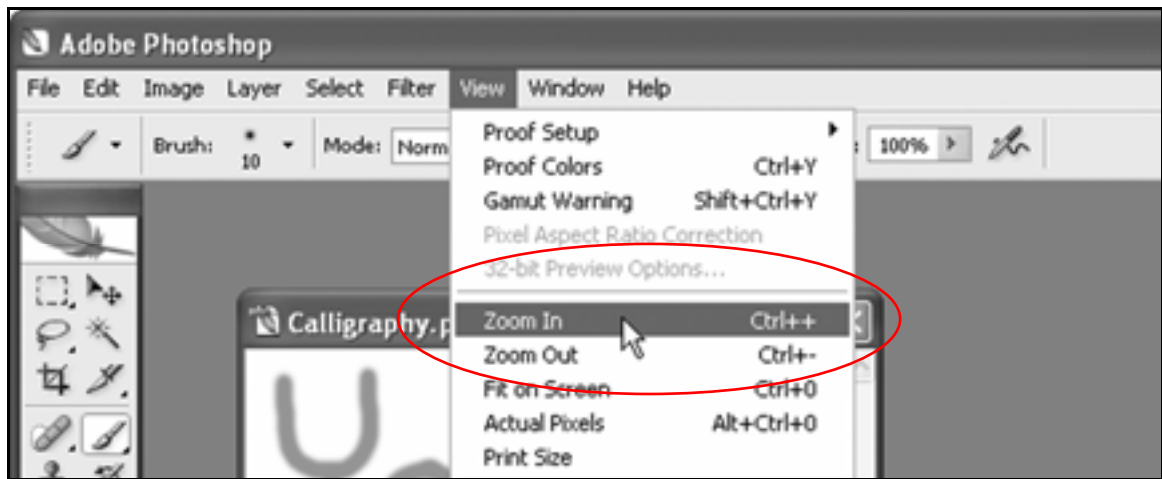
Notice the different tip shapes.



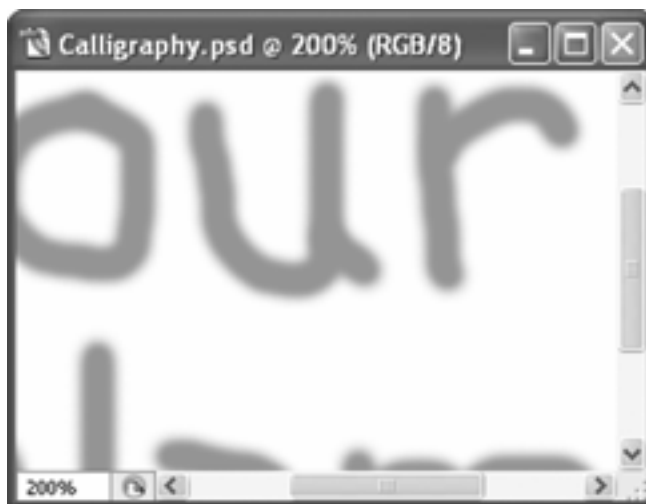
- 9.** Save the graphic as **Calligraphy.psd** in the **Practice Files** folder.

Use the Zoom view

1. On the Menu Bar, click **View**, then **Zoom in**.

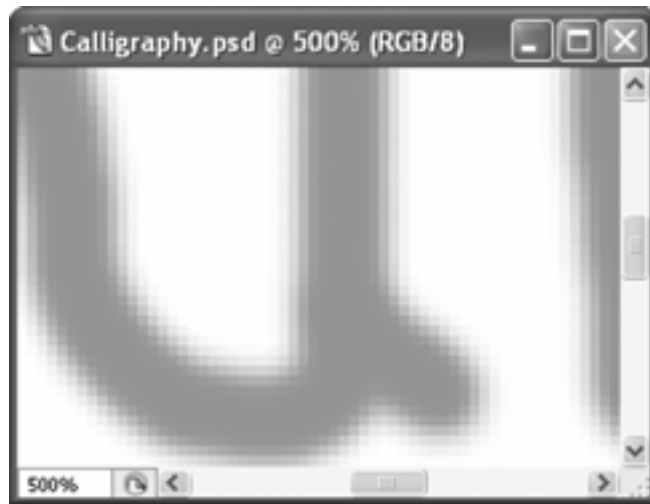


The drawing should look like this:



- 2.** Continue zooming in until you reach **500%**.

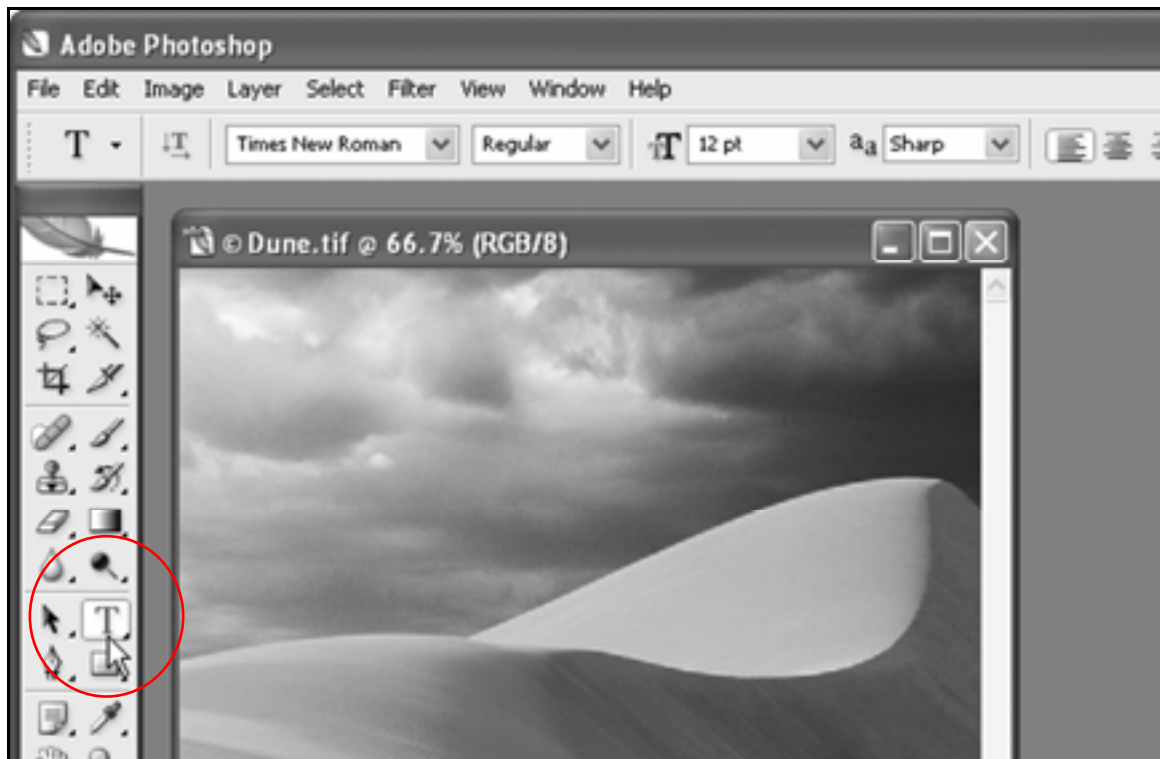
You can see the individual pixels in your drawing:



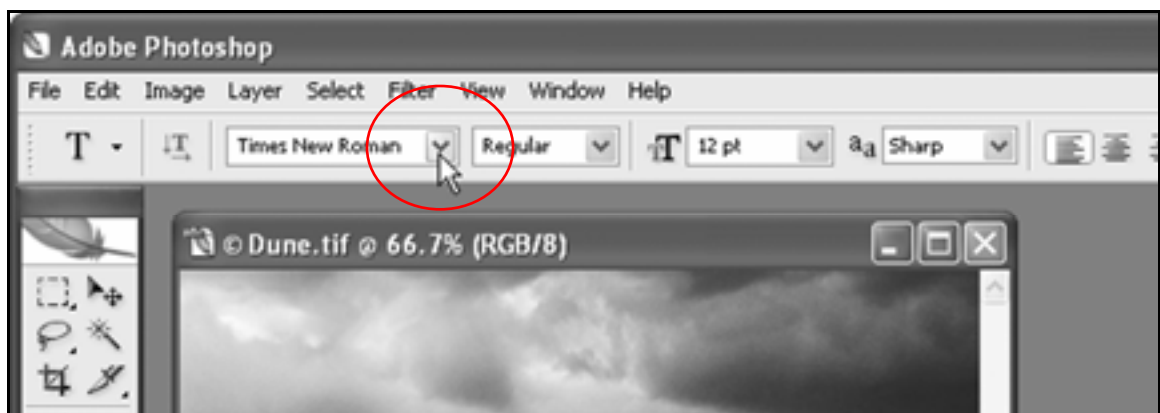
- 3.** On the Menu Bar, click **View**, then **Zoom out** until you are back at 100%.
- 4.** Close **Calligraphy.psd**.

Create text graphics

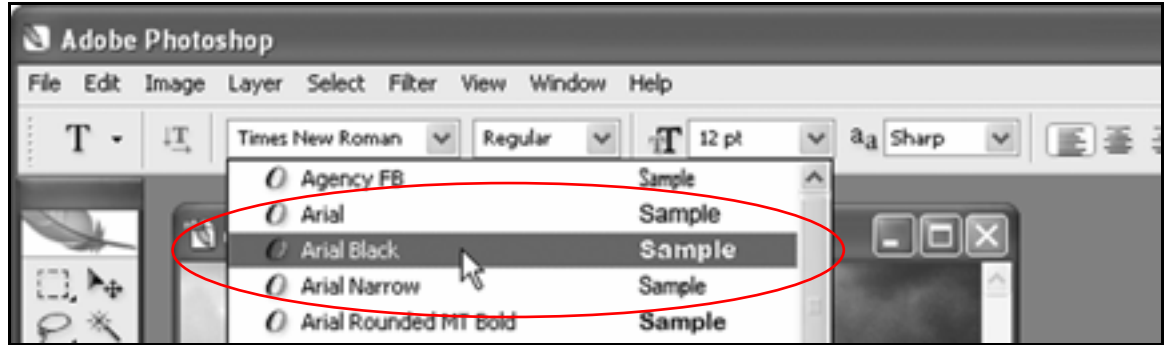
1. Open **Dune.tif** from the **Samples** folder.
2. On the Toolbar, click the  icon.



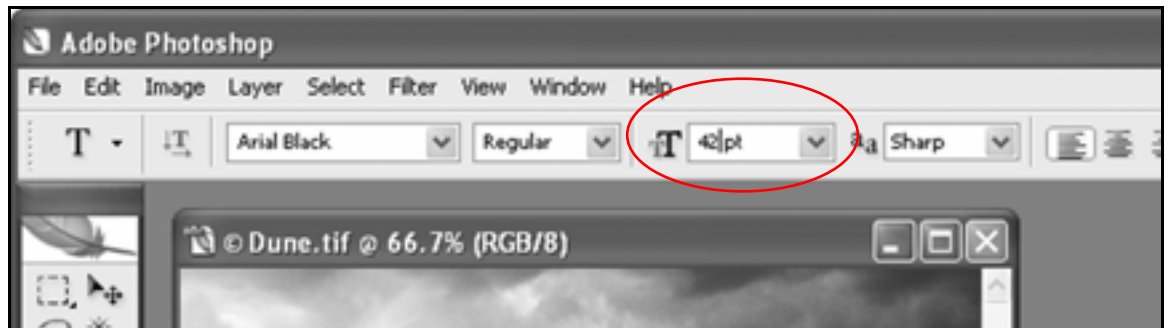
3. In the **Options** palette, click the Font drop-down arrow.



- 4.** In the list, click **Arial Black**.

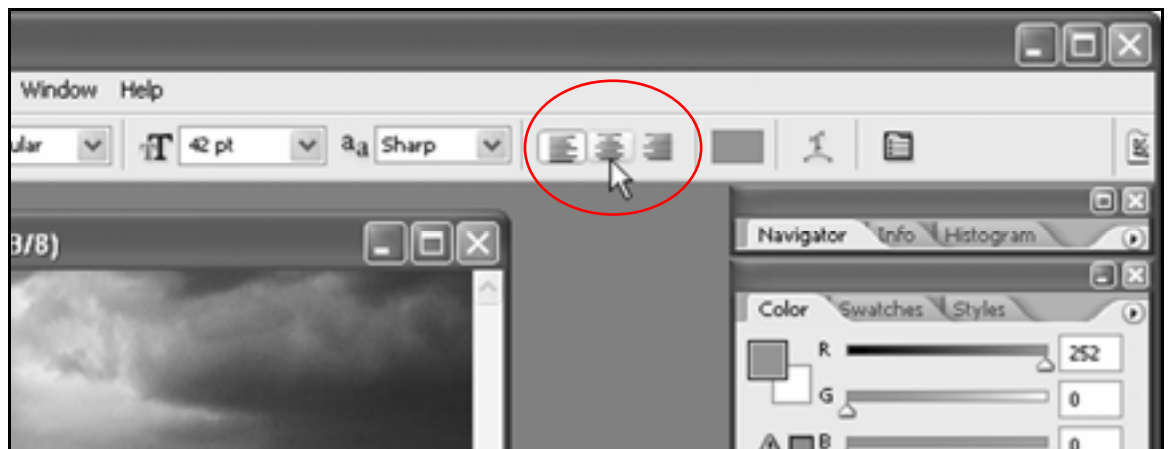


- 5.** In the Font Size box, type:
42



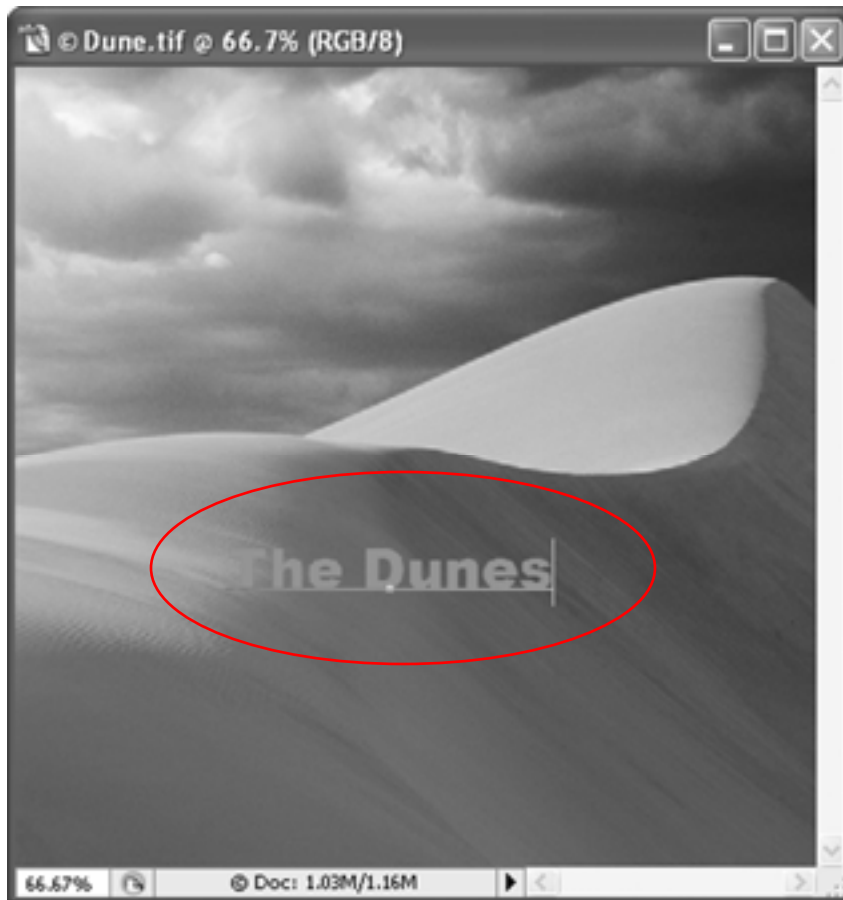
Then press the **ENTER** key on the keyboard.

- 6.** Click the  icon.

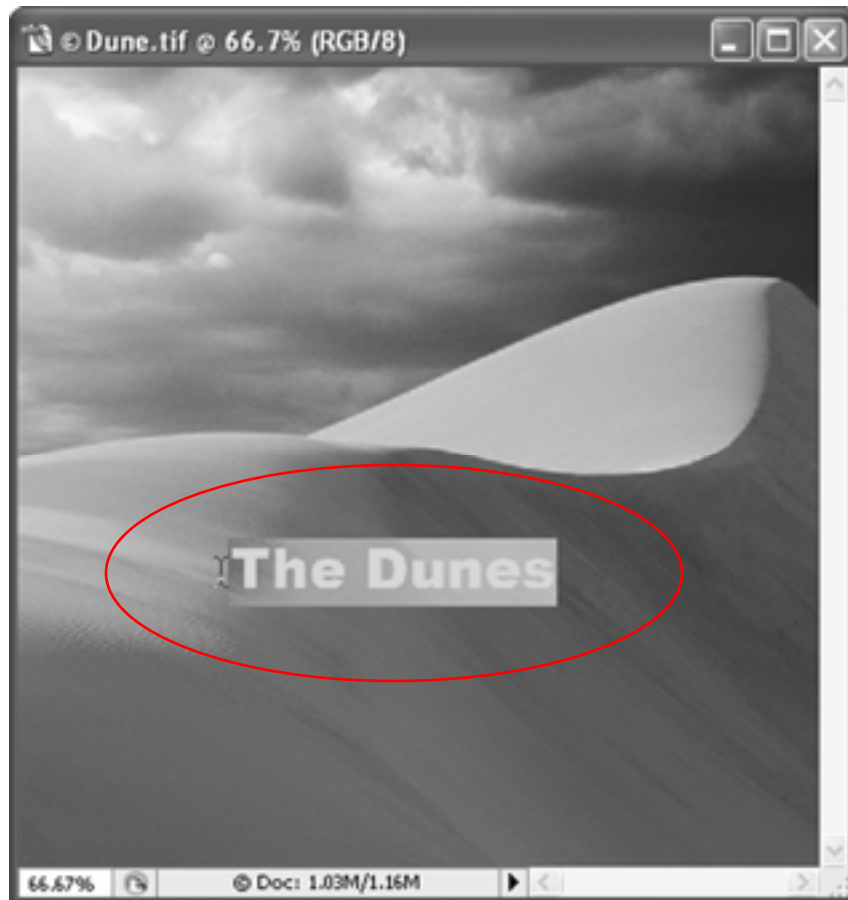


- 7.** Click in the lower part of the graphic and type:

The Dunes



- 8.** Click and drag the cursor across the words you typed to highlight them.



- 9.** Click the  icon.



- 10.** Move the **Color Picker** window so you can see most of the graphic.

- 11.** Position the cursor over the lightest part of the dune.
It changes to an eyedropper.

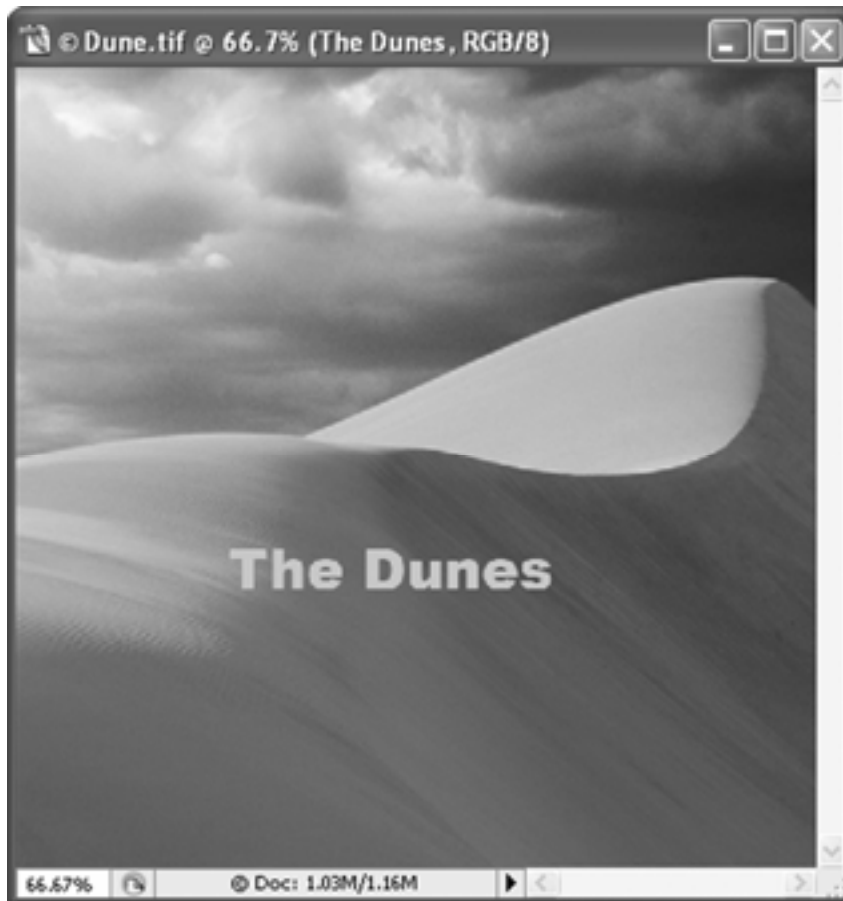


12. Click the light part of the dune.



13. Click on the graphic to de-select the text.

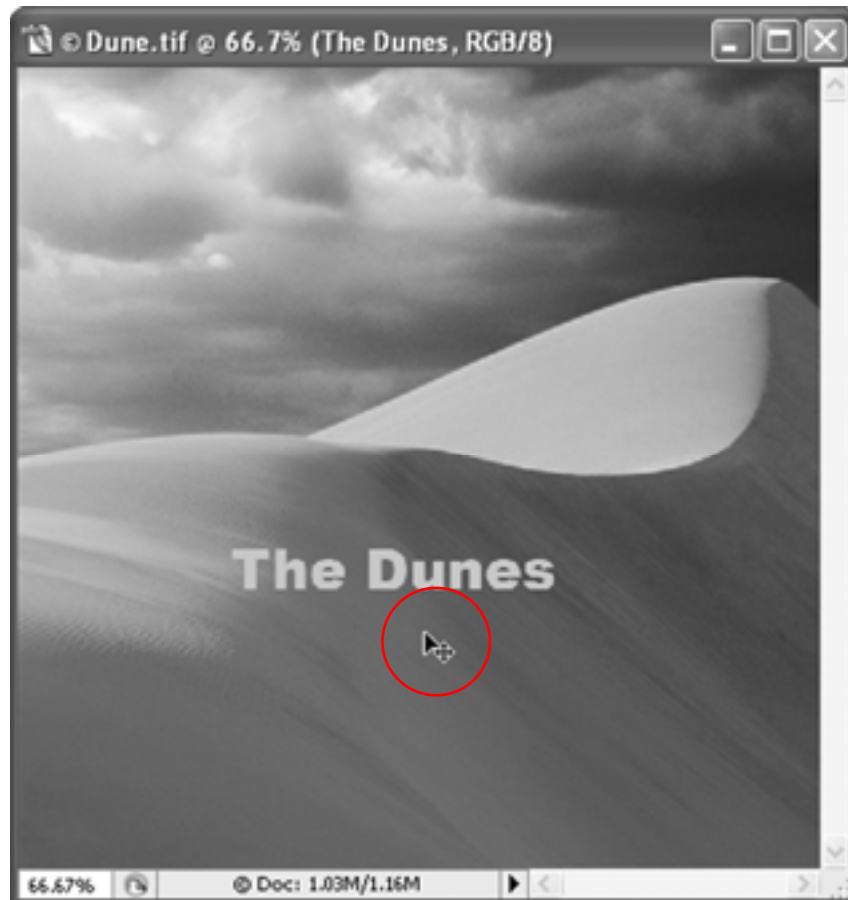
The text should now be that color.



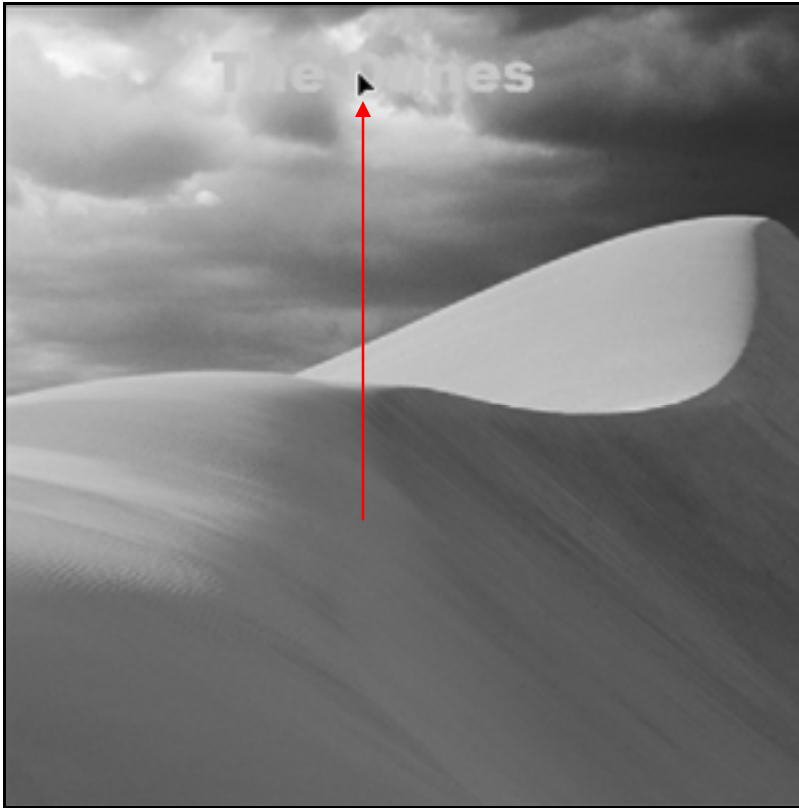
Reposition text

1. In the Tools palette, click the  icon.

The cursor should turn into an upward-pointing arrow and a 4-pointed cursor.



- 2.** Click the text and drag it until it's centered at the top of the graphic.



- 3.** Save the graphic as **Dune.psd** in the **Practice Files** folder.
- 4.** When the **Photoshop Format Options** window appears, click the  button.



- 5.** Close the graphic.

Practice

- 1.** Open **Shuttle.tif** from the **Photoshop Graphics** folder.
- 2.** Set the text options to Comic Sans, Bold, 36 pt.
- 3.** Set the color of the type to bright red.
- 4.** Add the following text to the upper left corner:

Out of This World

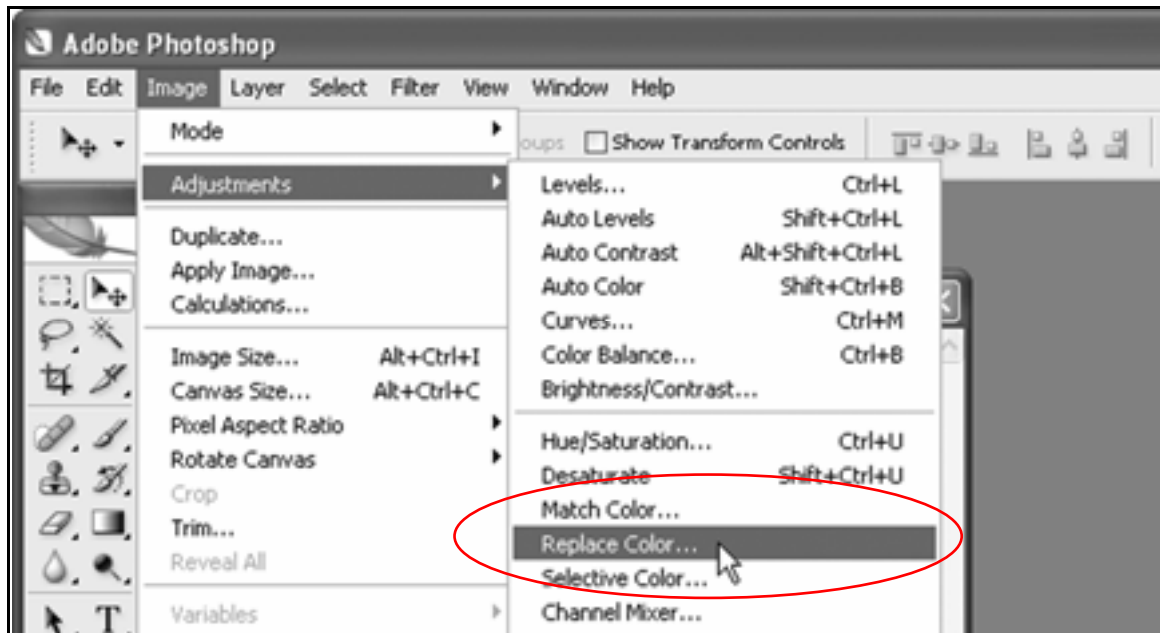
The graphic should look like this:



- 5.** Save this graphic as **shuttle.jpg** in the **Practice Files** folder, then close it.

Replace colors

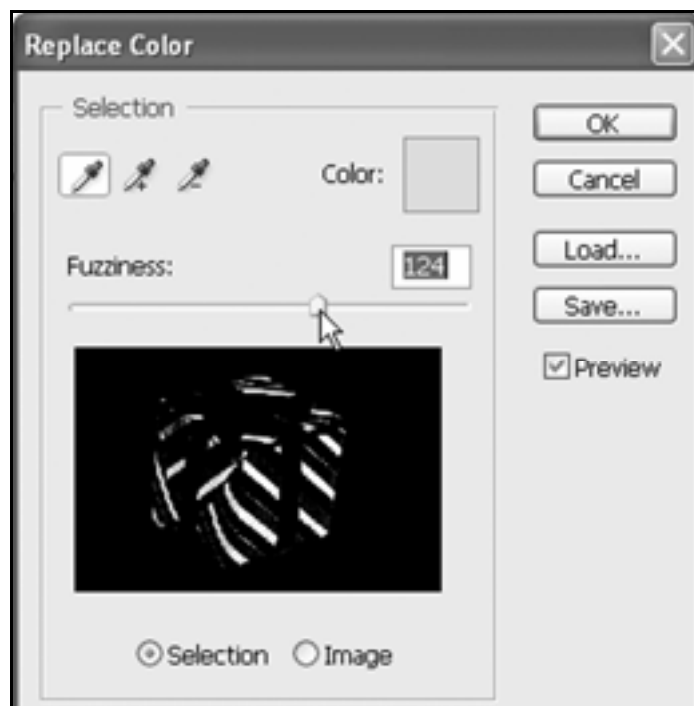
1. Open **0004616.jpg** from the **Photoshop Graphics** folder.
2. On the Menu Bar, click **Image**, **Adjustments**, then **Replace Color**.



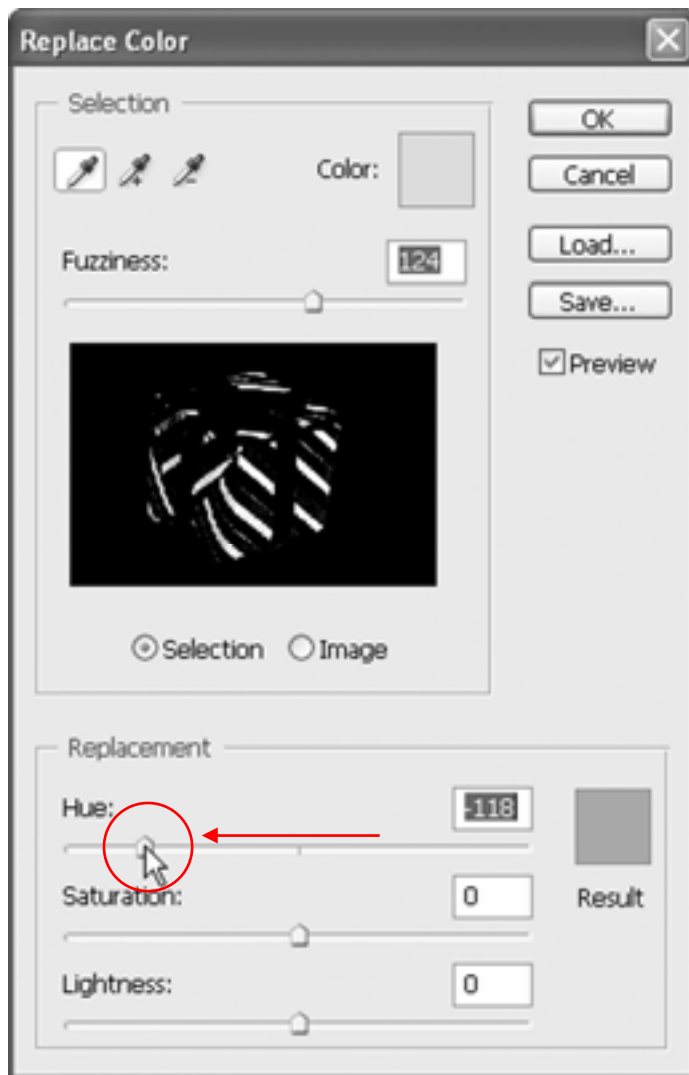
- 3.** When the **Replace Color** window appears, click with the eyedropper over a yellow stripe on the package.



Tip: Slide the **Fuzziness** slider to pick up more of the color selected in the image.



- 4.** In the **Replace Color** window, drag the **Hue** slider to a different color of your choice.



- 5.** Click the  button.

The graphic should look like this, the yellow stripes replaced with the new color:



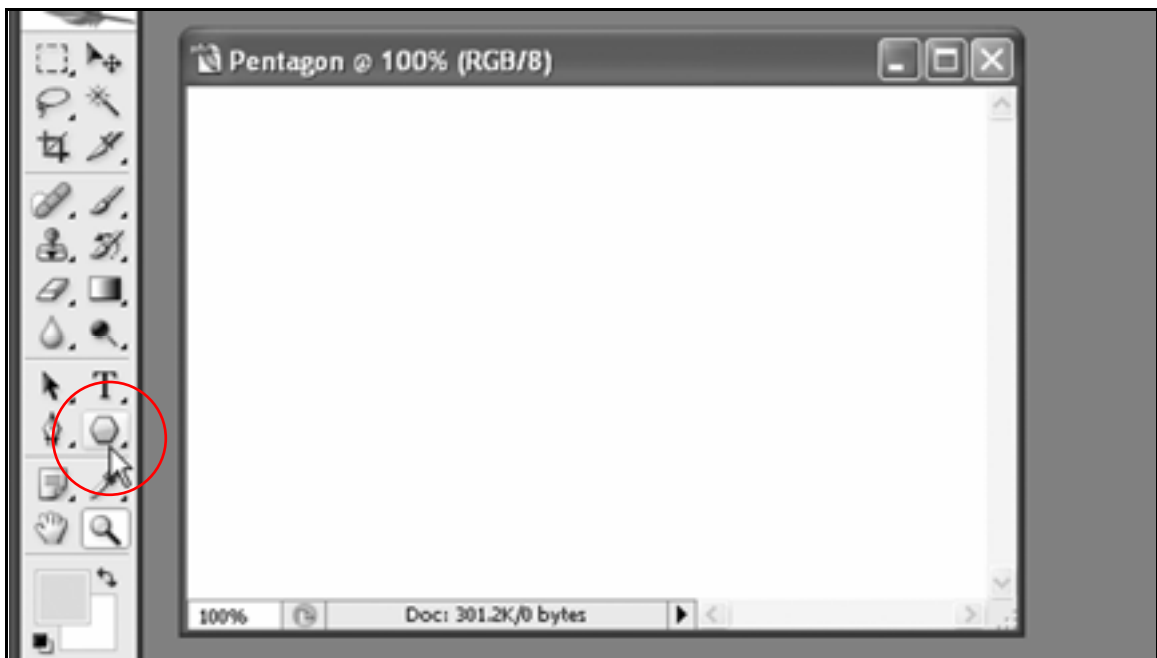
- 6.** Save the file as **package.gif** in the **Practice Files** folder, then close it.

Create shapes

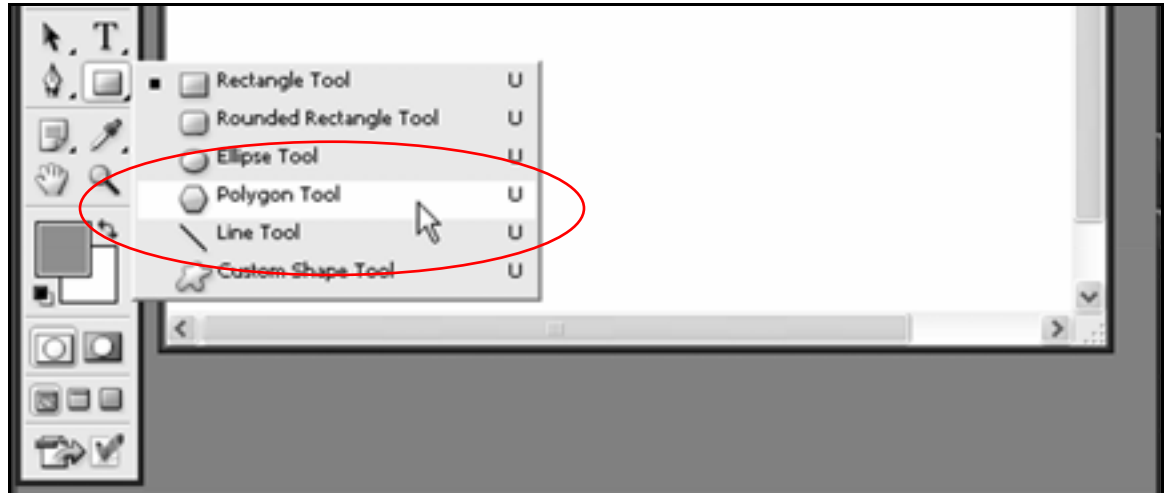
1. Create a new graphic background called **Pentagon**.



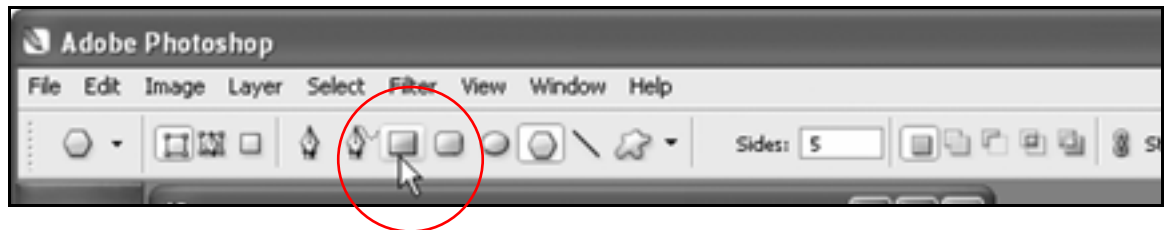
2. In the Tools palette, click the  icon.



Tip: If you don't see the  icon, just click the tool in its place. Then click it in the drop-down list.



3. On the Toolbar, click the  icon.

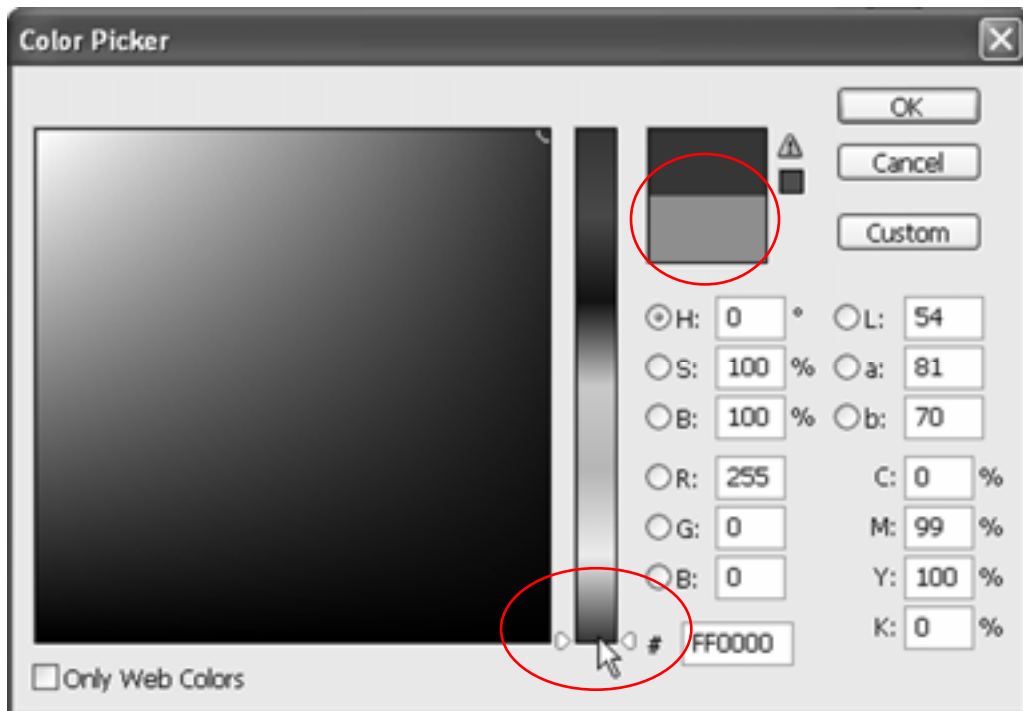


4. In the **Sides** box, type:

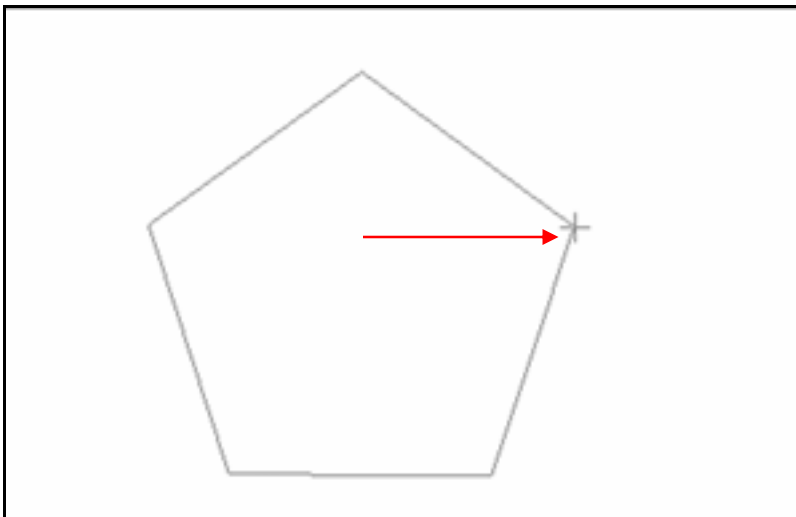
5



- 5.** Click the  icon, then click Red.

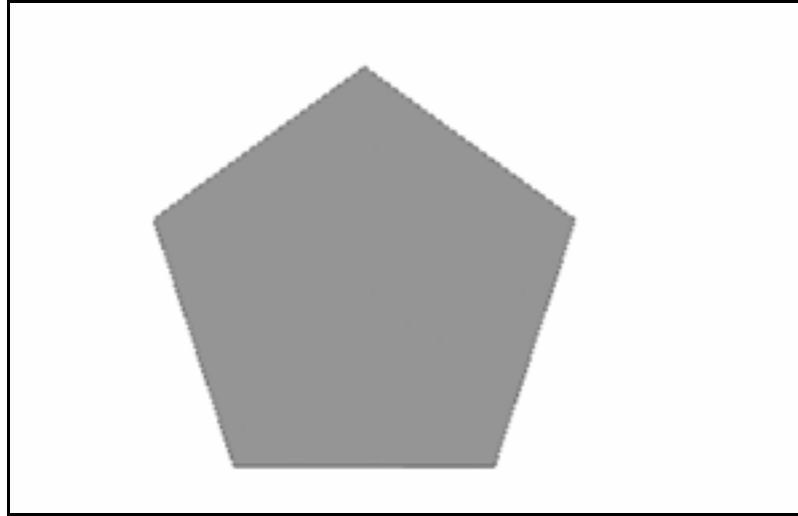


- 6.** Click in the middle of the window, then drag outward halfway to its edge.



Release the mouse button.

A red pentagon should appear:



- 7.** Save this graphic as **pentagon.gif** in the **Practice Files** folder.

Tip: *Click Image, Mode, then Indexed Color.*

Then close it.

Advanced Techniques

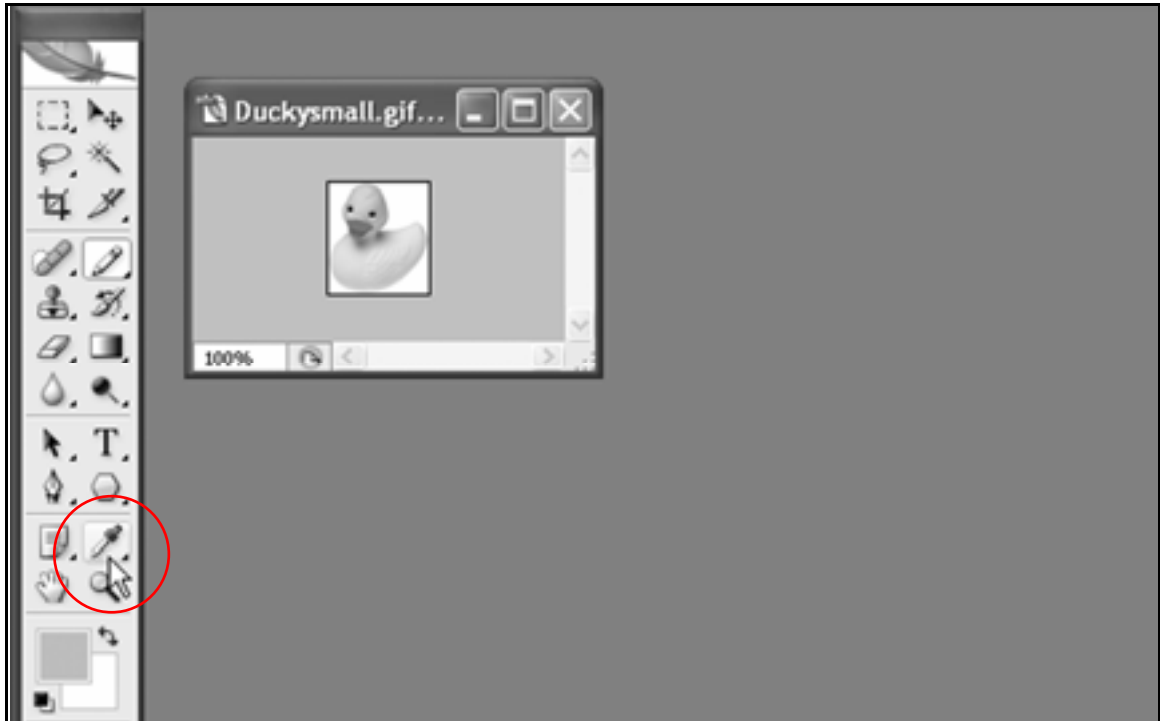
In this section, you'll learn how to:

- **Make GIF backgrounds transparent**
- **Enhance and correct graphics**
- **Work with layers**

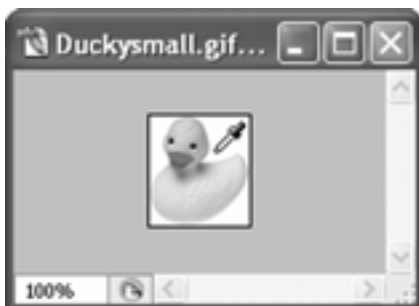
Make GIF backgrounds transparent

1. Open **Duckysmall.gif** from the **Practice Files** folder.

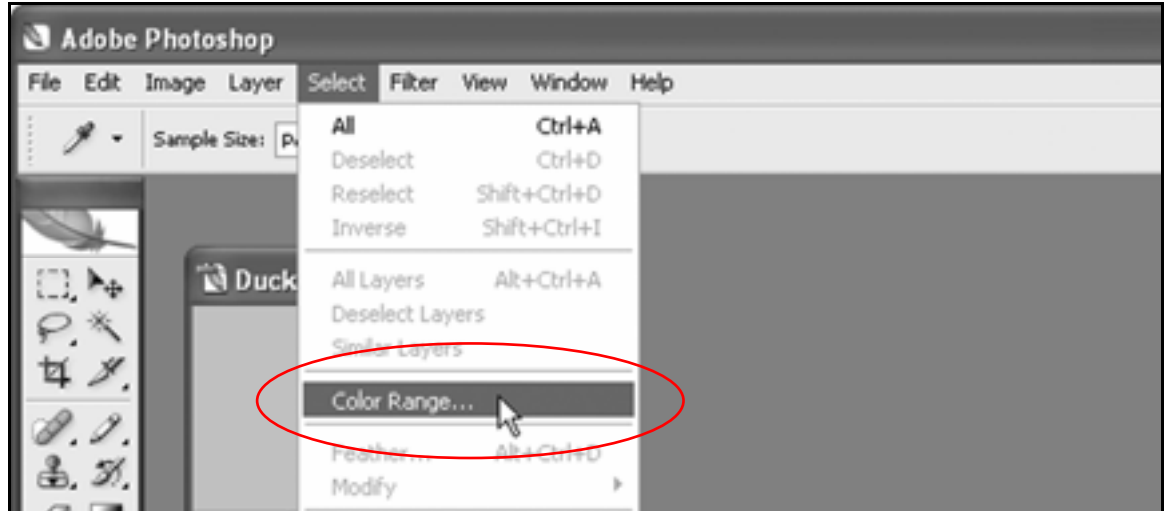
2. In the Tools palette, click the  icon.



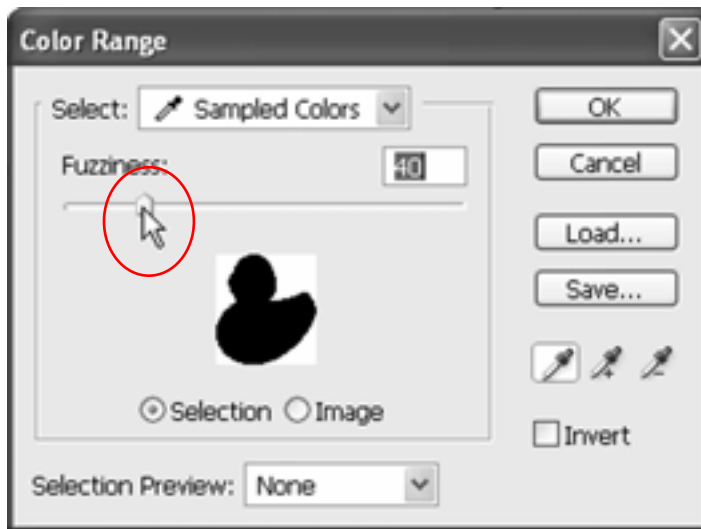
3. Click blank white space in the graphic.



Then, on the Menu Bar, click **Select**, then **Color Range**.

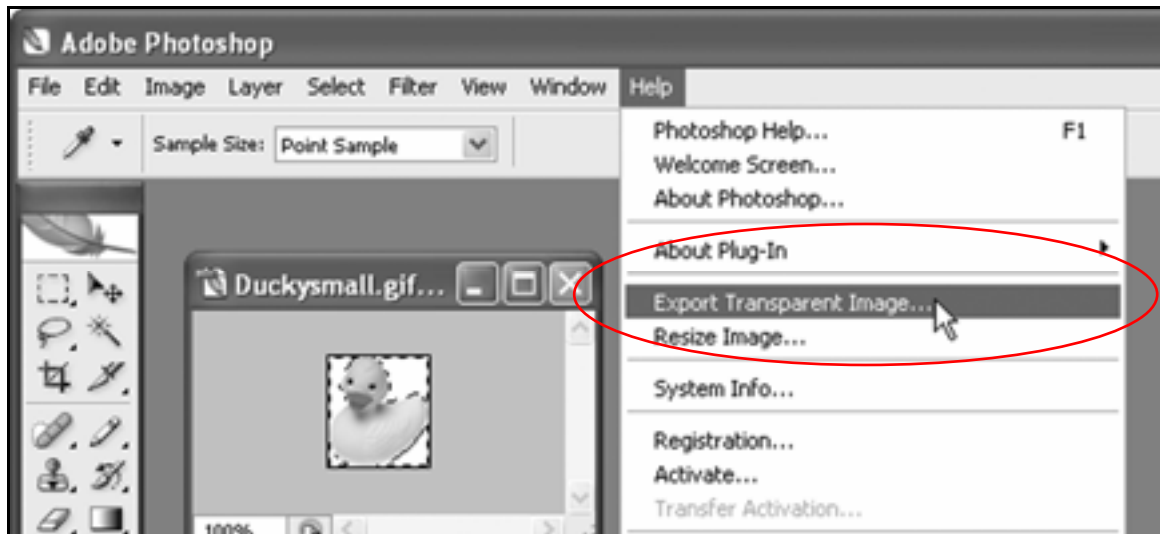


- 4.** When the **Color Range** window appears, move the **Fuzziness** slider until the white space around the duck is selected.

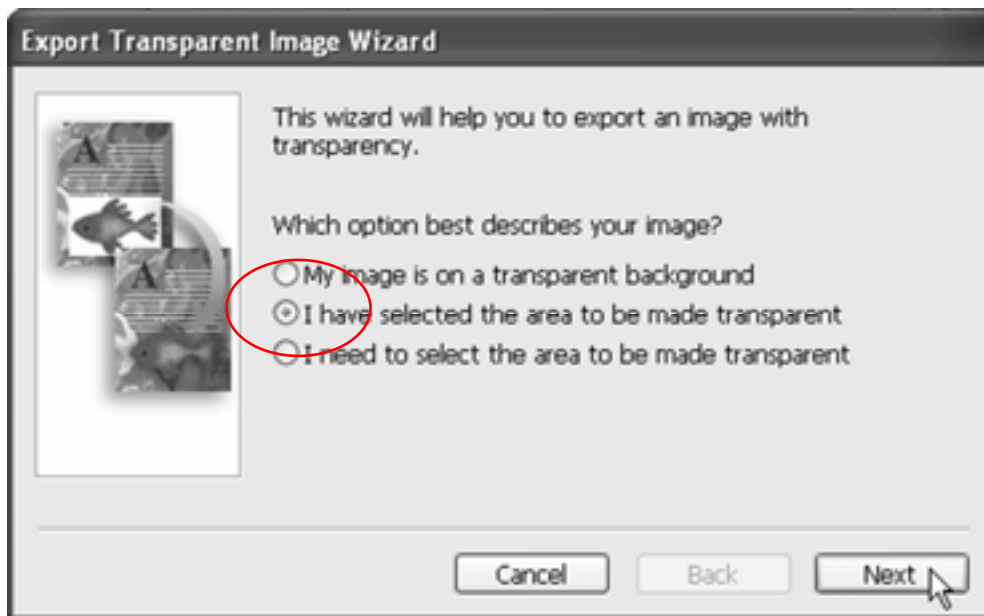


Then click the  button.

- 5.** On the Menu bar click **Help**, then **Export Transparent Image**.

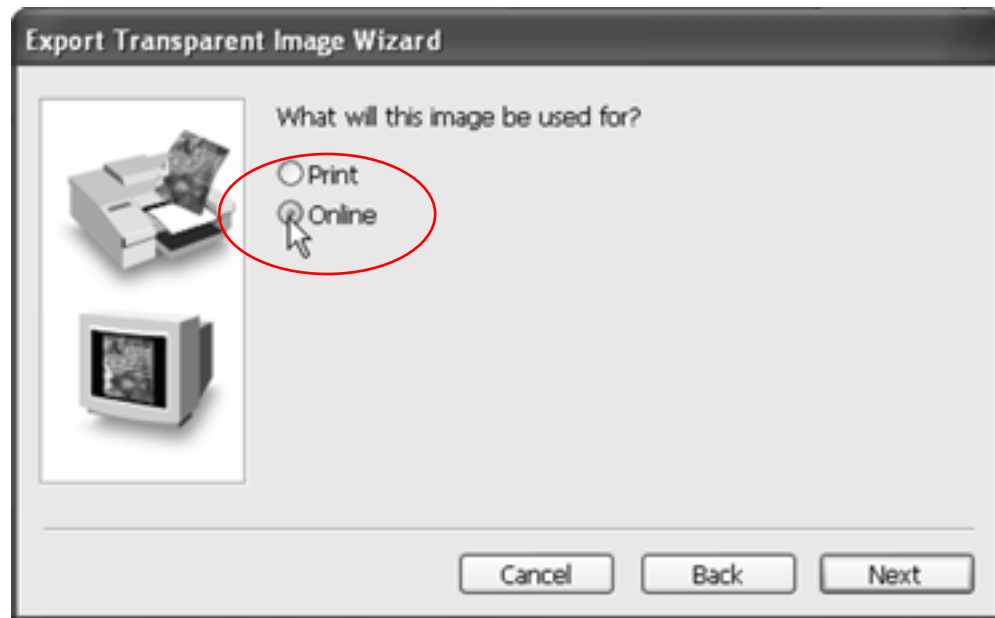


- 6.** When the **Export Transparent Image Wizard** window appears, click the **I have selected the area to be made transparent** radio button.

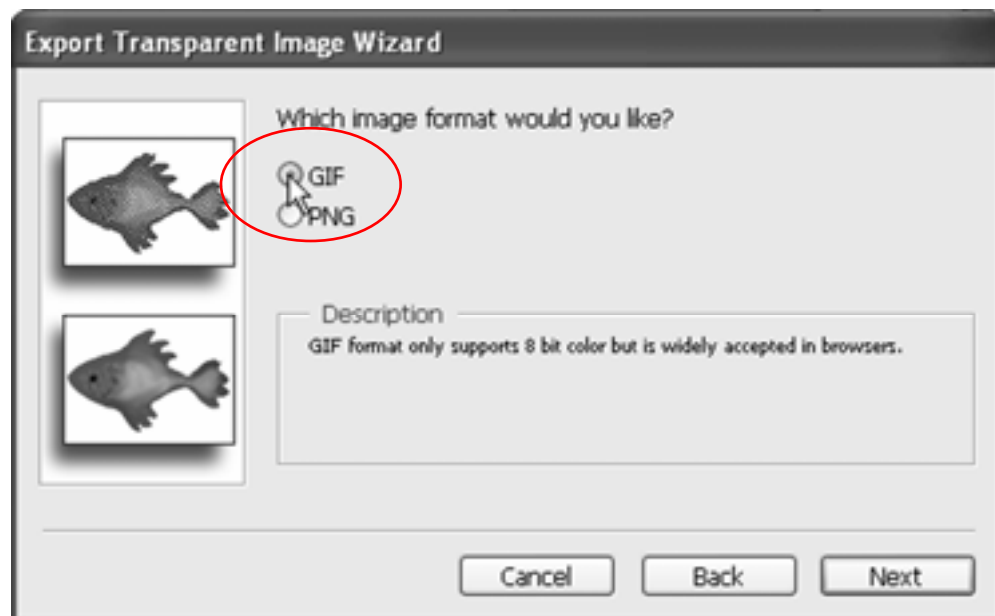


Then click the **Next** button.

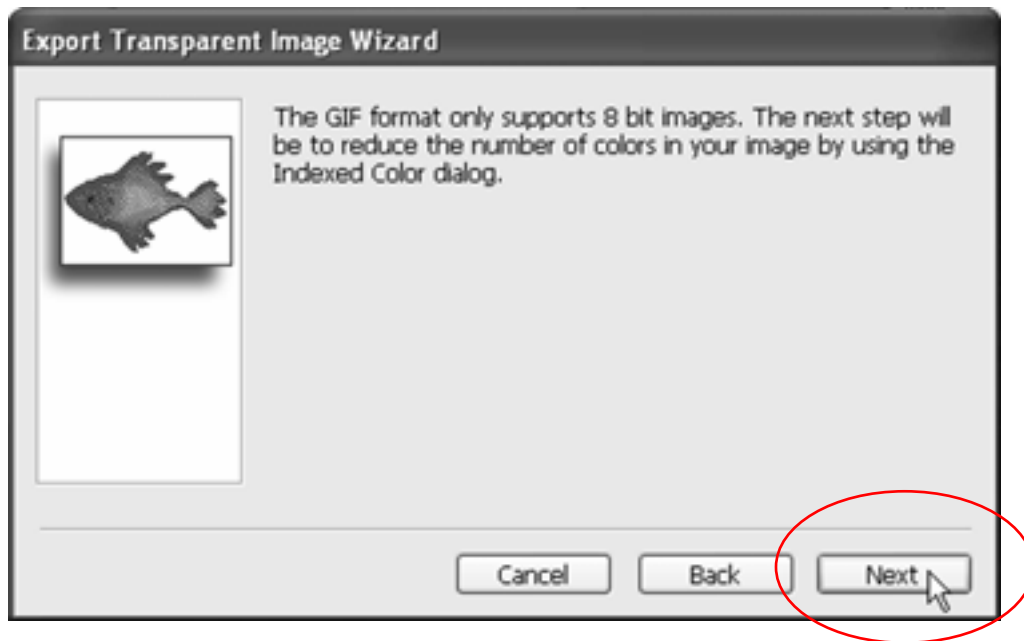
7. Click the **Online** radio button, then click the **Next** button.



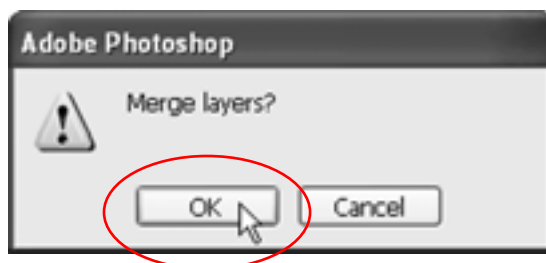
8. Click the **GIF** radio button, then click the **Next** button.



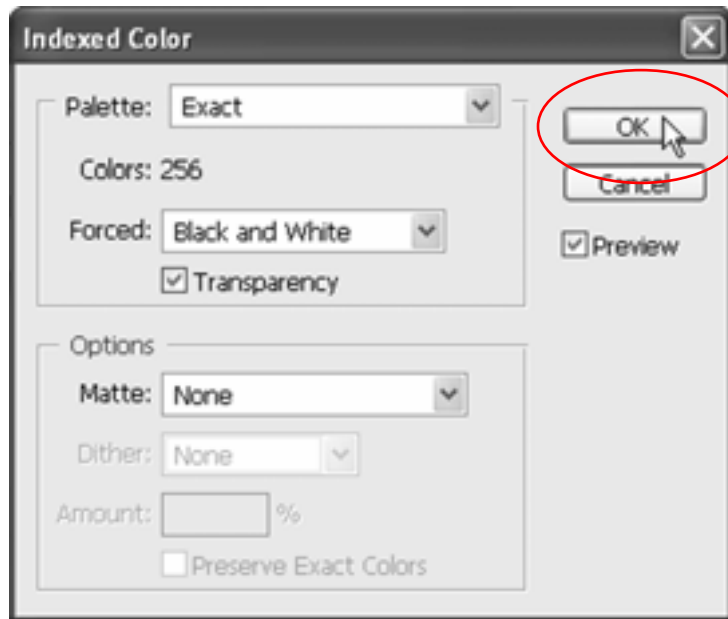
- 9.** Click the  button.



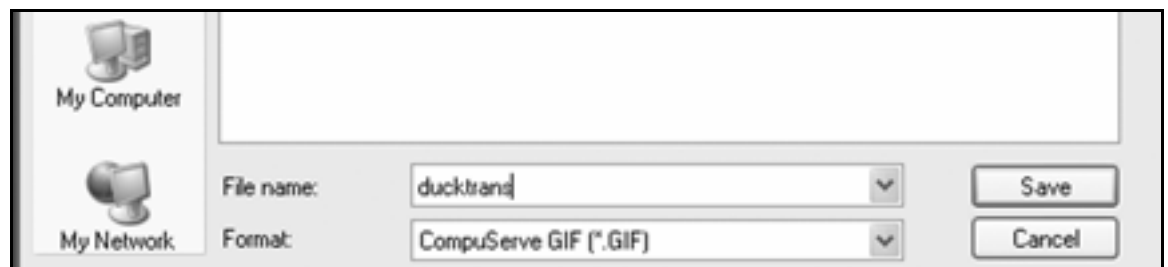
- 10.** When the alert window appears asking to merge layers, click the  button.



- 11.** When the **Indexed Color** window appears, click the  button.

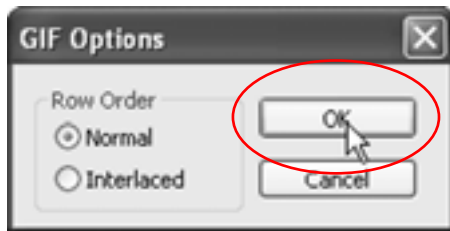


- 12.** When the **Save As** window appears, type:
ducktrans.gif
in the **File name** box.



- 13.** Navigate to the **Practice Files** folder, then click the  button.

- 14.** When the **GIF Options** window appears, click the  button.



- 15.** Click the  button.



- 16.** Close both **ducktrans.gif** and **duckysmall.gif**.

Tip: *For a transparent GIF to blend into dark-colored Web pages, its own background that you make transparent must start out dark.*

Practice

- 1.** Open **music.gif** from the **Photoshop Graphics** folder.
- 2.** Make the black background transparent.
- 3.** Save the graphic as **musictrans.gif** in the **Practice Files** folder, then close it.

Enhance and correct graphics

Retouch photos

1. Open **Old Image.jpg** from the **Photoshop Graphics** folder.

Tip: *If an alert window appears, click the  button.*

Notice the damaged areas of the photograph along the left and right sides.



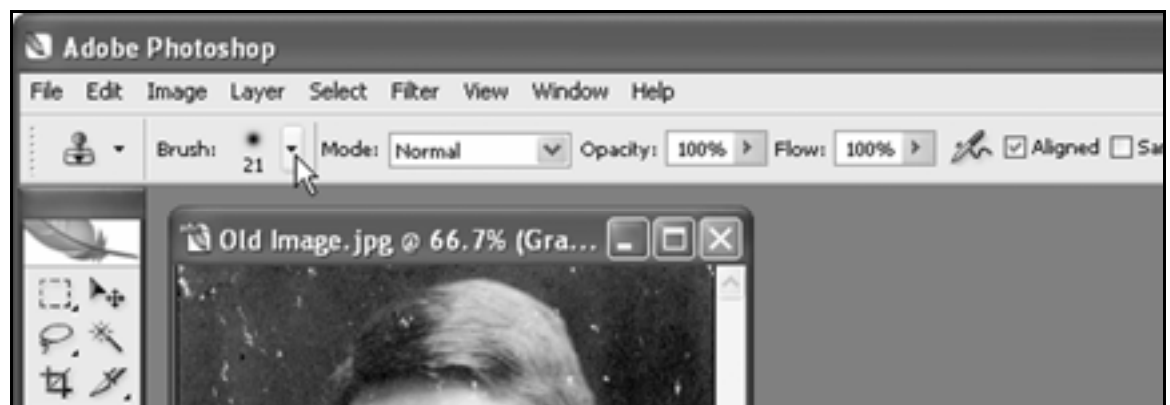
2. In the Tools palette, click the  icon.



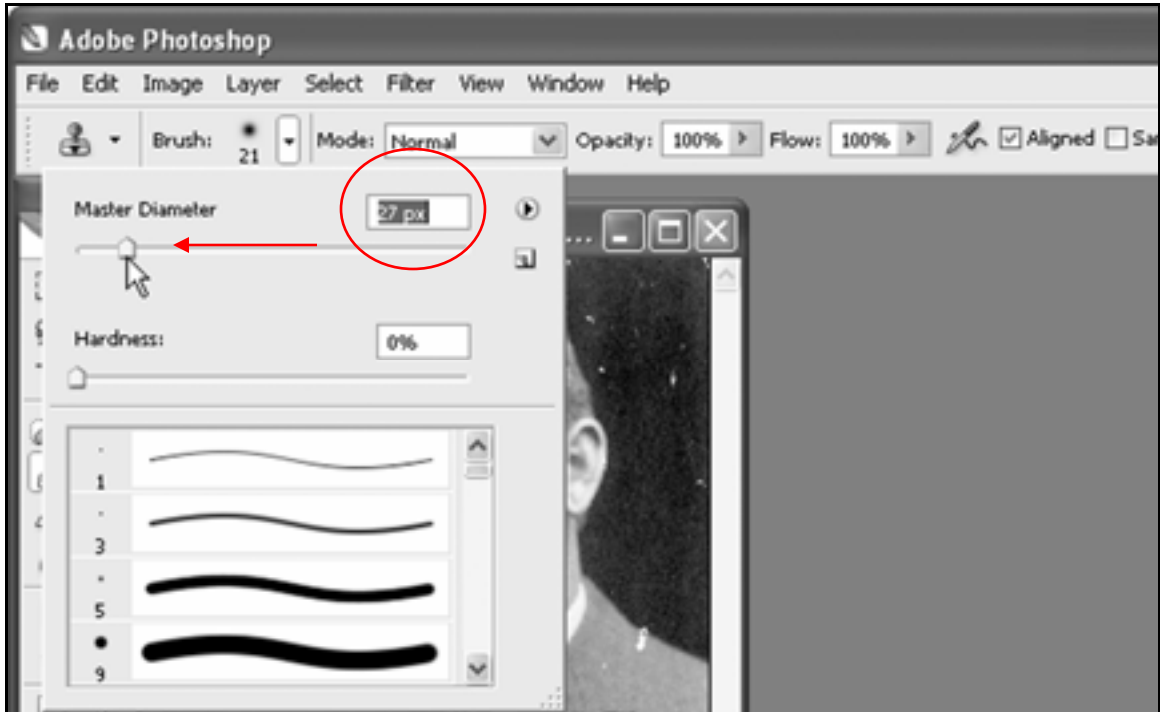
Tip: If you don't see it, look for the  icon:



3. On the Toolbar, click the **Brush** drop-down arrow.



- 4.** In the list, scroll to **27** and double-click it.



- 5.** Position the cursor below the large white defect on the left side of the graphic.



6. Hold down the **ALT** key on your keyboard.

Click the mouse button.

Then release the **ALT** key.

The cursor becomes a cross-hair surrounded by an octagon:



7. Position the cursor over the defect.



Click the mouse. The defect should disappear:



Tip: *You can click and drag to repair longer defects.*

8. Practice clicking over other white spots in the photo, holding down the **ALT** key and clicking to correct them.

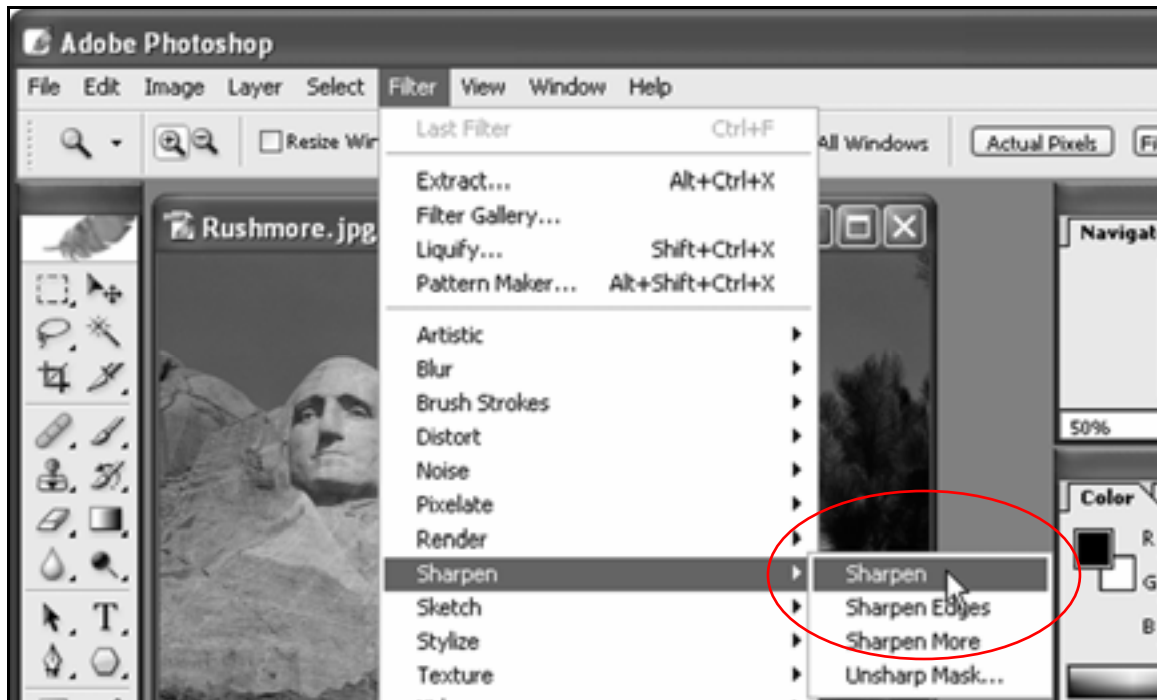
The photo should look like this:



9. Save the graphic as **oldimage.jpg** in the **Practice Files** folder, then close it.

Sharpen graphics

1. Open **Rushmore.jpg** from the **Photoshop Graphics** folder.
2. On the Menu Bar, click **Filter**, **Sharpen**, then **Sharpen**.



The details in the graphic should be crisper:



- 3.** Save the graphic as **sharprush.jpg** in the **Practice Files** folder, then close it.

Practice

- 1.** Open **Old Image.jpg** from the **Photoshop Graphics** folder.
- 2.** Use the  tool to remove the defects in the photograph.

When you're done, it should look like this:



- 3.** Save the graphic as **imagefixed.jpg** in the **Practice Files** folder, then close it.

Work with layers

What are Layers?

They're like overlays with sheets of plastic. Using layers in a graphic allows you to edit parts of a graphic:

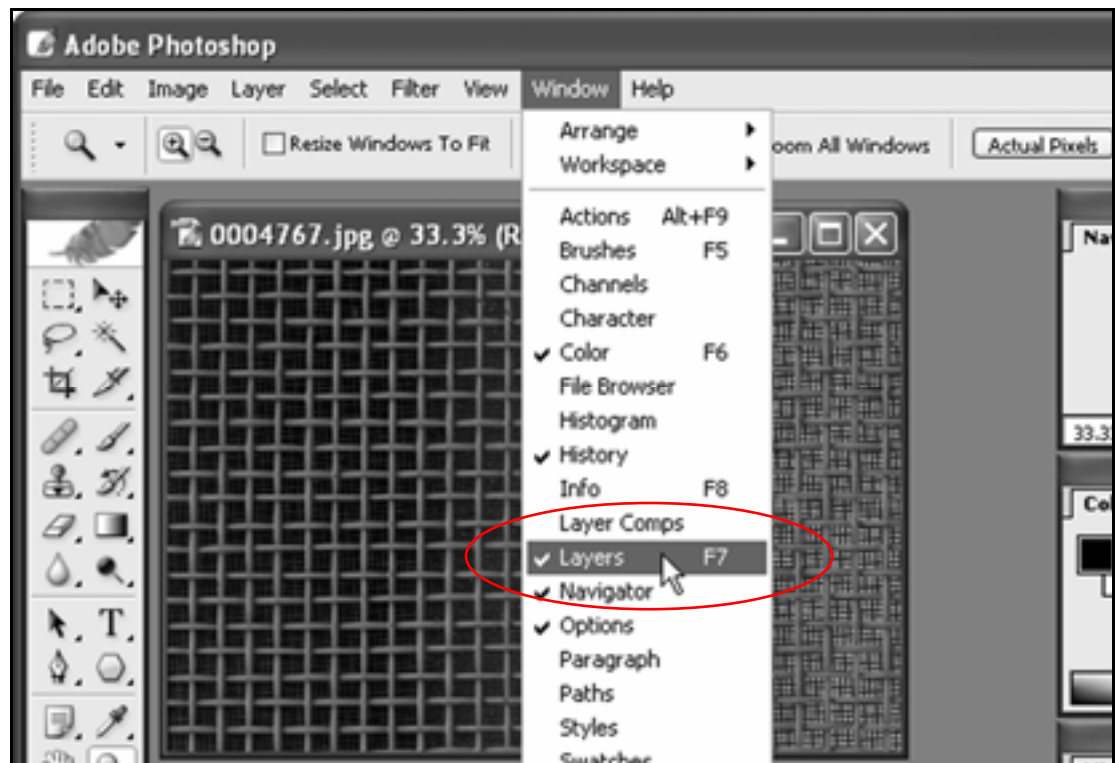
One layer can be the background.

Another can contain an object in the middle.

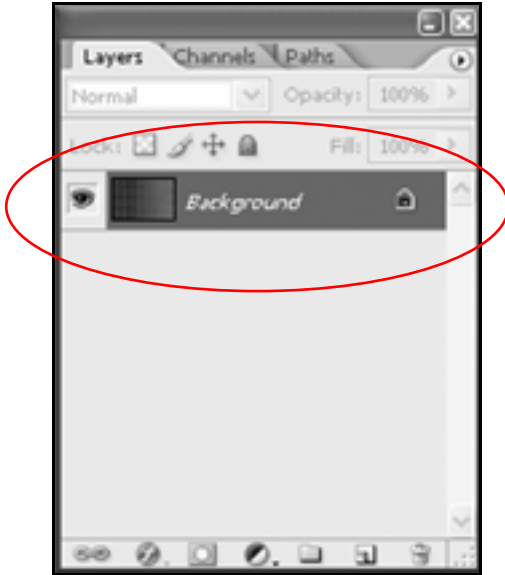
Another can contain foreground graphics.

Create Layer 1

- 1.** Open **0004767.jpg** from the **Photoshop Graphics** folder.
- 2.** On the Menu Bar, click **Window**, then **Layers** (if **Layers** is not already checked).



Notice that there is one layer, called **Background**.



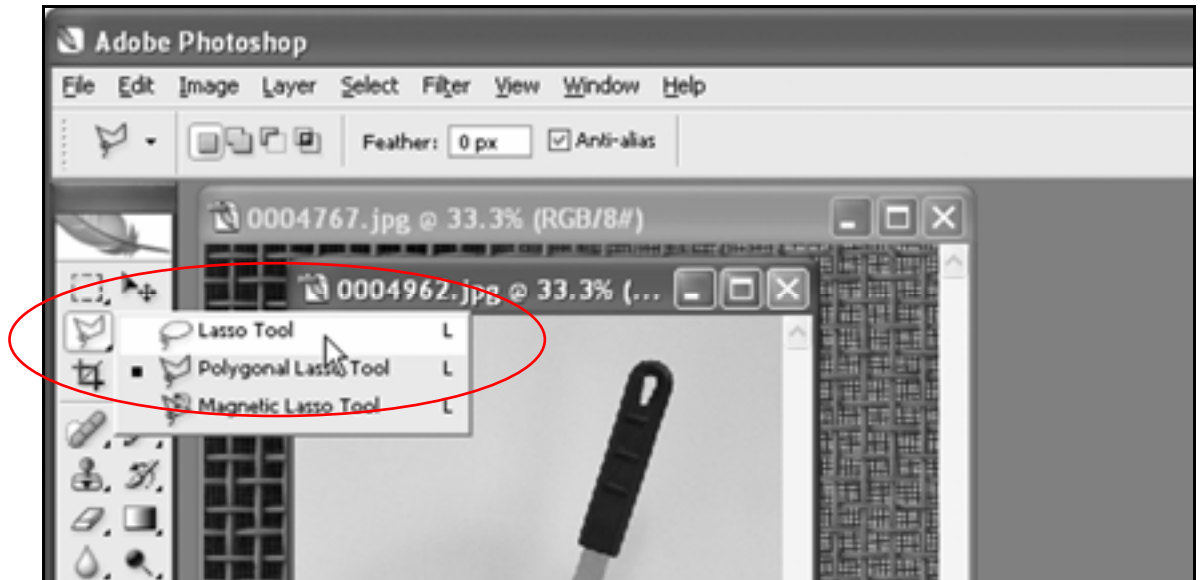
3. Open **0004962.jpg** from the **Photoshop Graphics** folder.

There are two graphics open and visible:

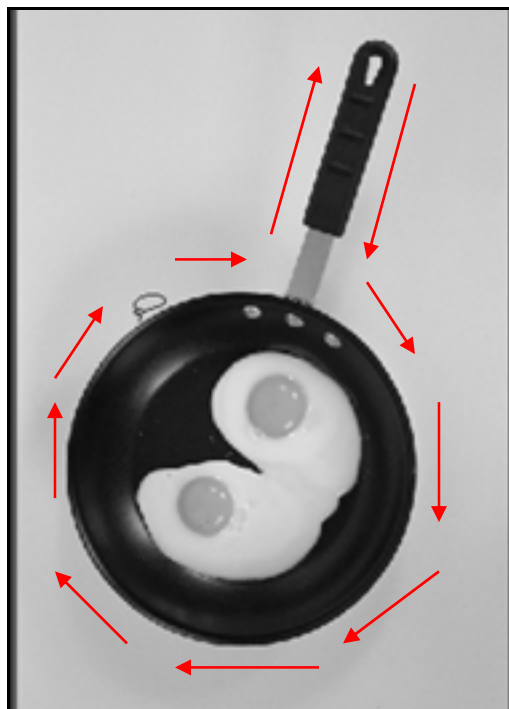


- 4.** In the Tools palette, click the  icon and hold down the mouse button.

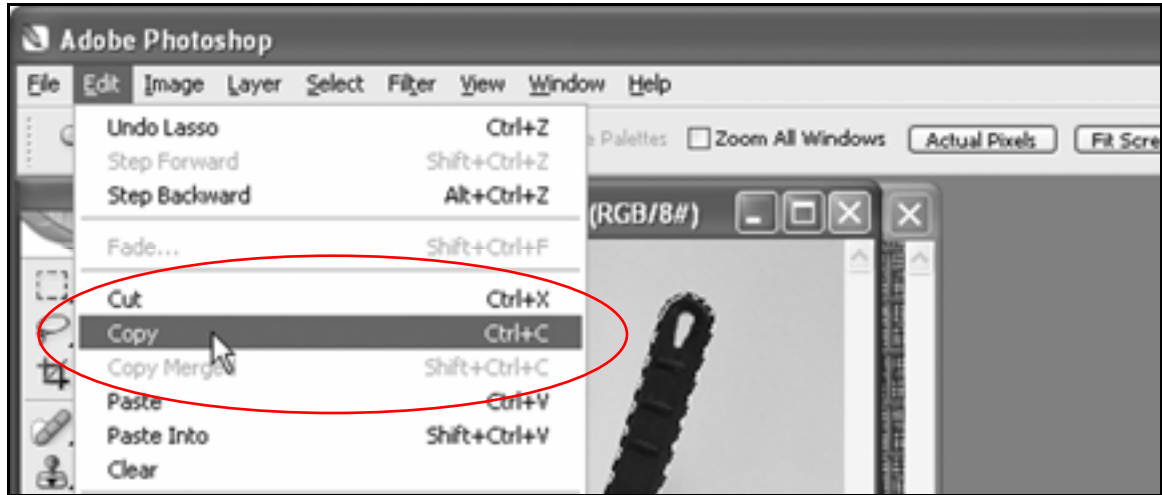
When the list appears, click **Lasso Tool**.



- 5.** Draw an outline outside the frying pan.



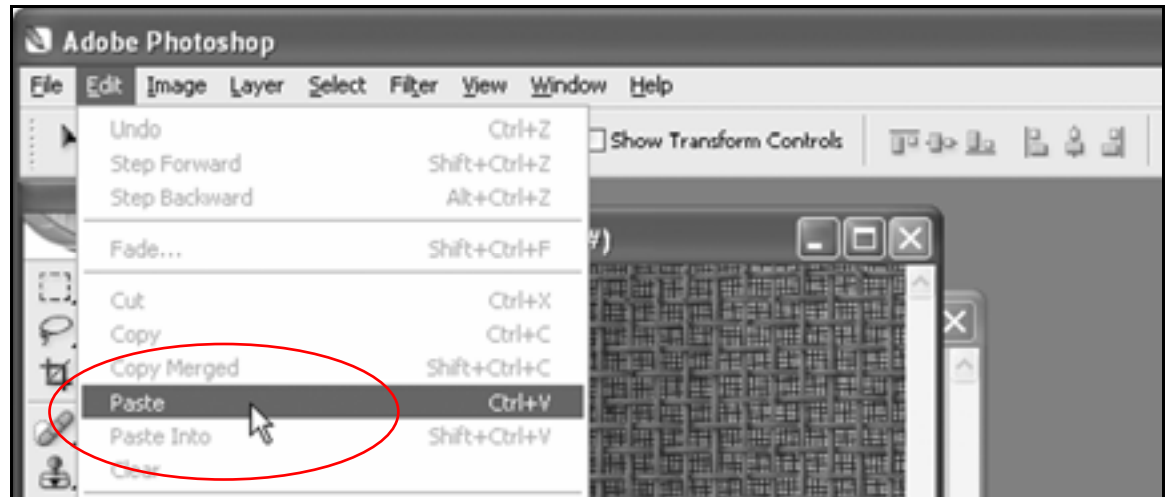
6. On the Menu Bar, click **Edit**, then **Copy**.



Create 2nd layer

1. Click **0004767.jpg** to select it.

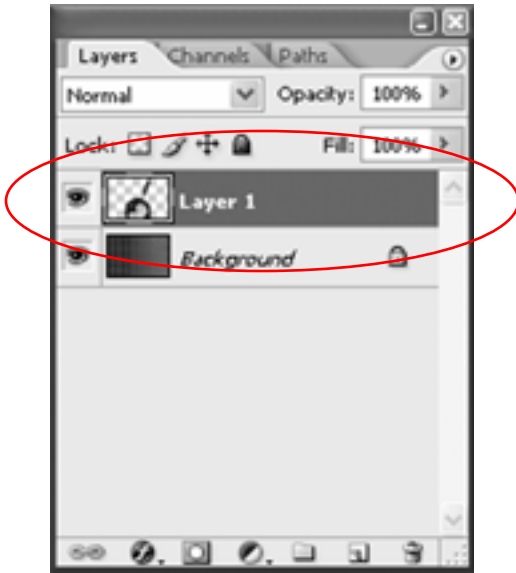
Then on the Menu Bar, click **Edit**, then **Paste**.



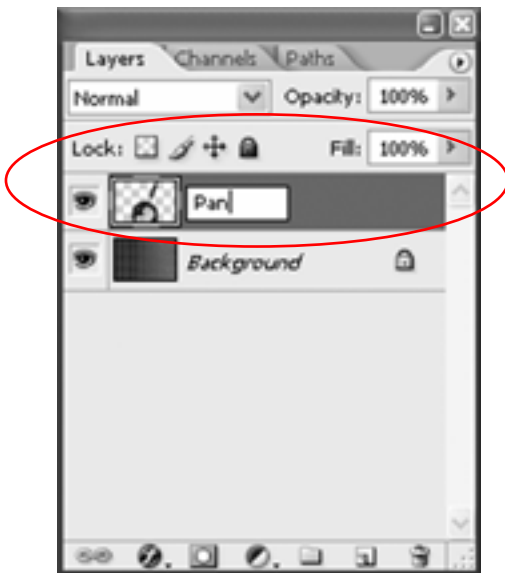
The frying pan should appear on the graphic:



- 2.** In the **Layers** palette, notice the new **Layer 1** above the **Background**.



- 3.** Double-click on the words **Layer 1**, then type:
Pan

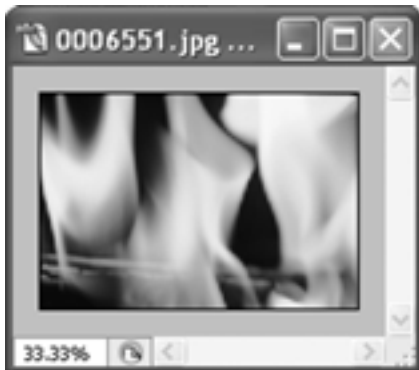


Then press the **ENTER** key on your keyboard.

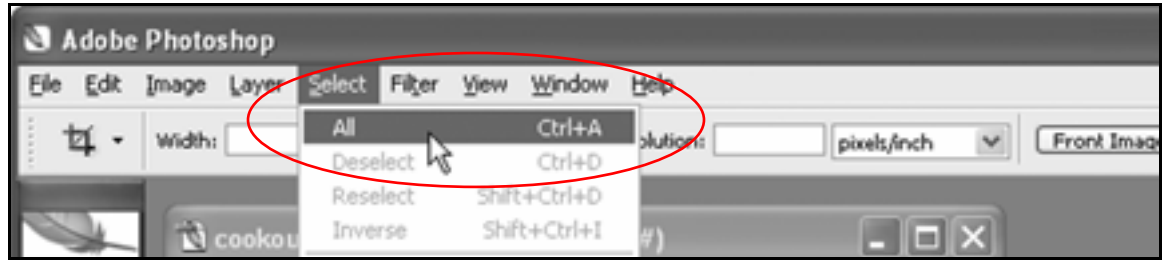
- 4.** Save the graphic as **Cookout.psd** in the **Practice Files** folder.
- 5.** Close **0004962.jpg** without saving changes.

Create 3rd layer

- 1.** Open **0006551.jpg** from the **Photoshop Graphics** folder.
- 2.** Crop the graphic so only a few flames are visible.



- 3.** On the Menu Bar, click **Select**, then **All**.

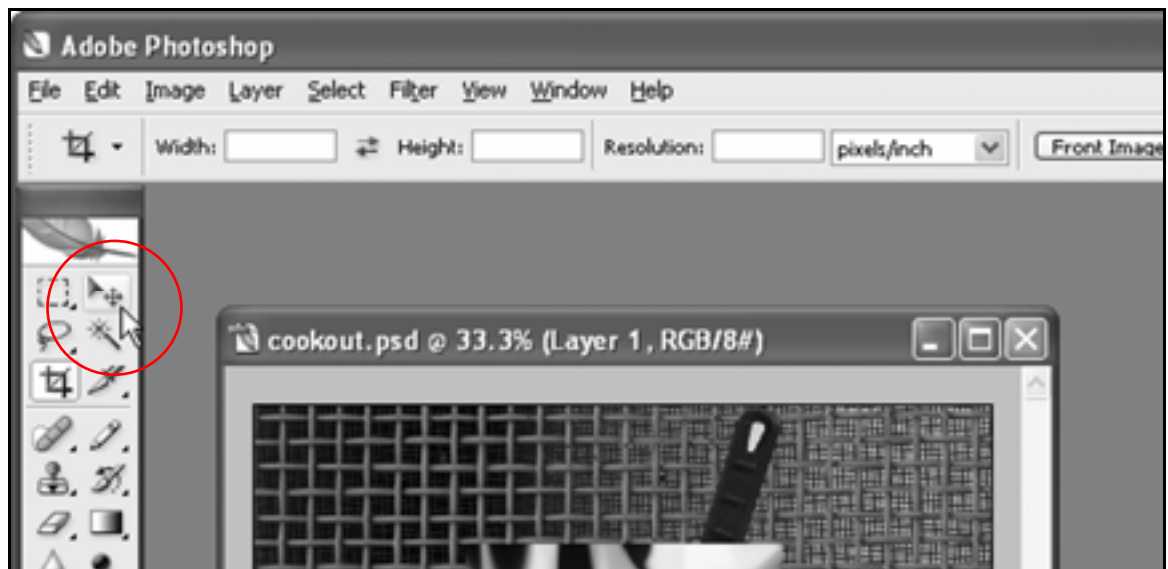


Then click **Edit**, then **Copy**.

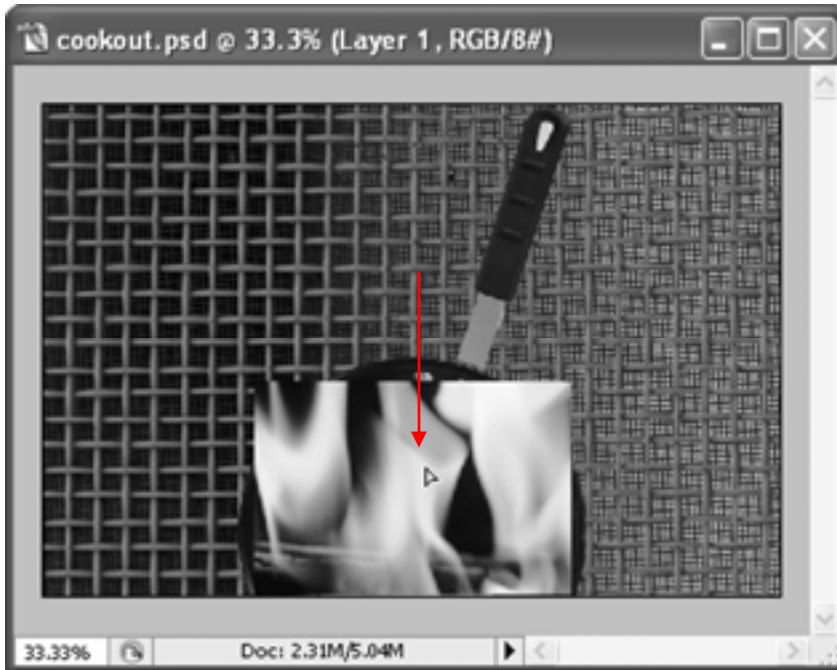
- 4.** Click **Cookout.psd**.

On the Menu Bar, click **Edit**, then **Paste**.

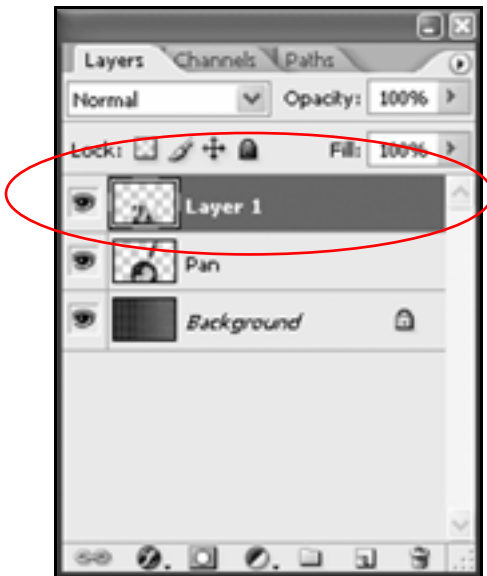
- 5.** In the Tools palette, click the  icon.



Then move the flames to the middle of the frying pan.



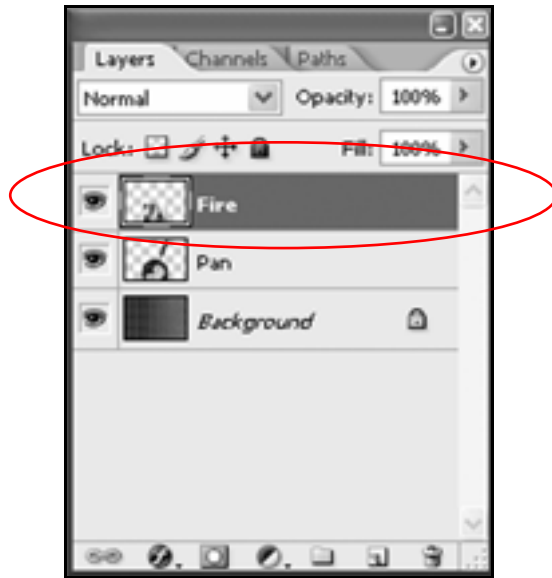
6. In the Layers palette, notice **Layer 1** above the **Pan** layer.



7. Double-click the words **Layer 1**, then type:

Fire

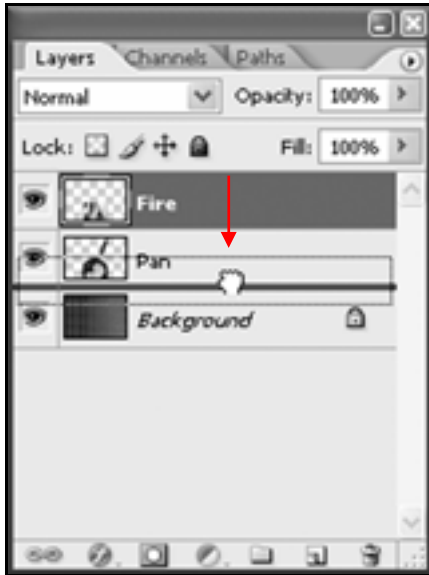
then press the **ENTER** key.



8. Close **0006551.jpg** without saving changes.

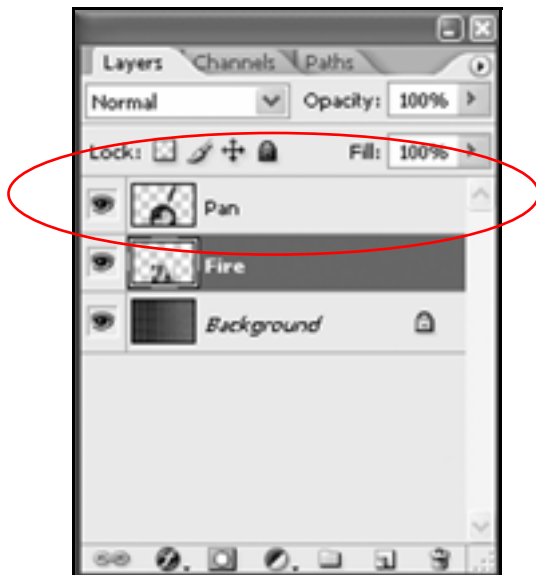
Rearrange layers

1. In the **Layers** palette, click and drag the **Fire** layer down until a double line appears between the **Pan** layer and the **Background** layer.

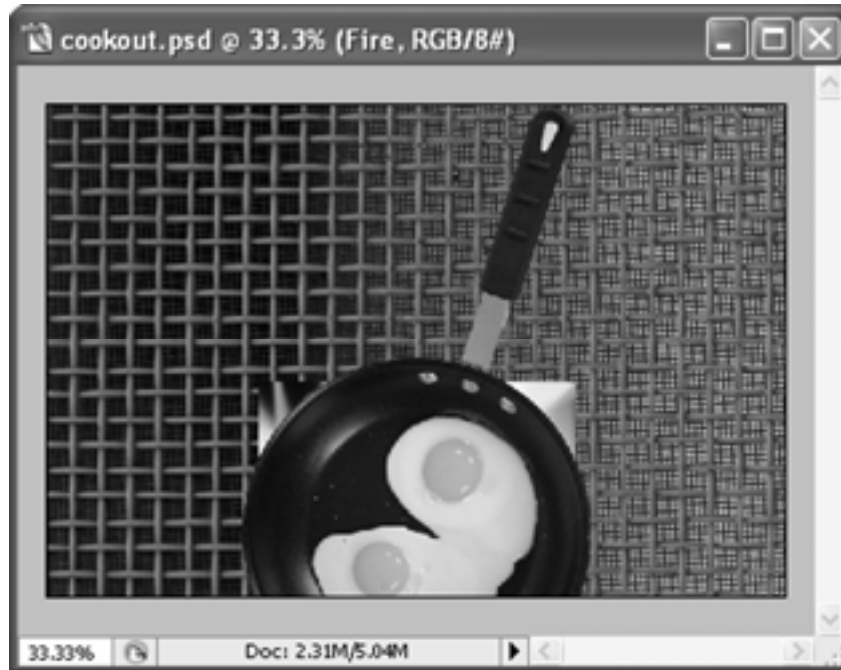


Then release the mouse button.

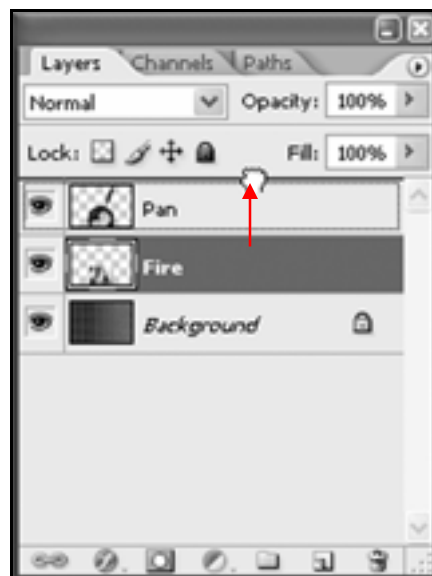
The **Pan** layer should now be at the top.



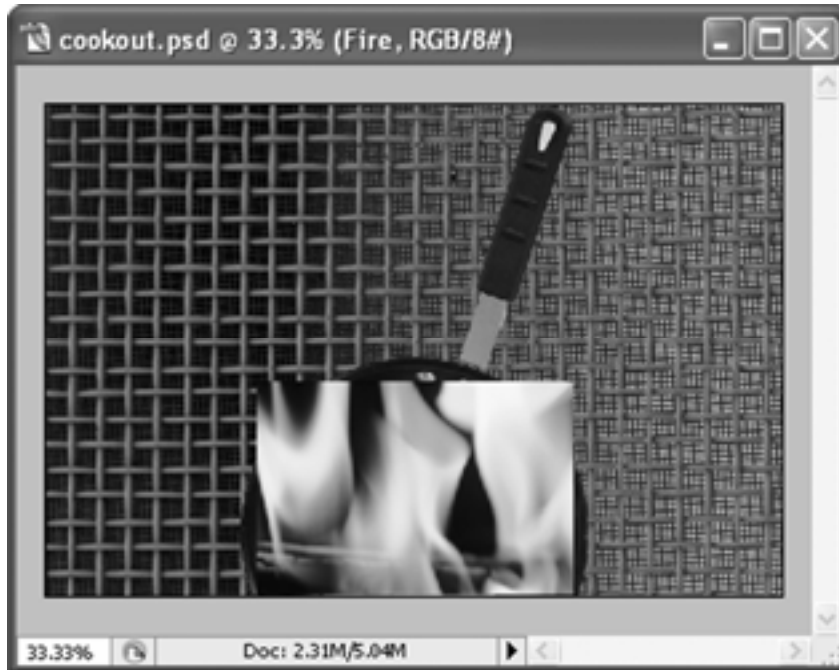
In **Cookout.psd**, the **Fire** layer is now below the **Pan** layer.



2. In the **Layers** palette, drag the **Fire** layer to the top.



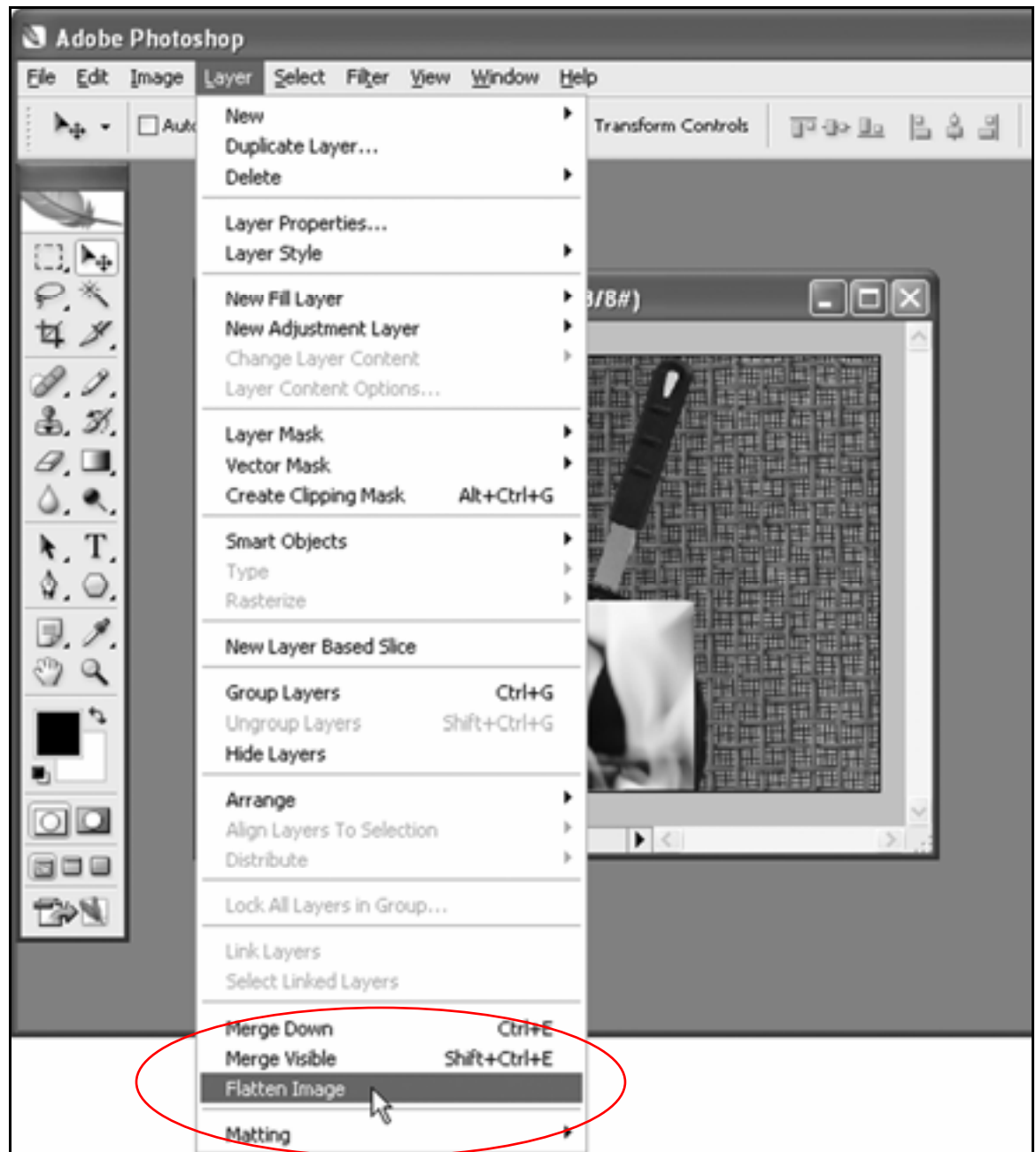
The fire should now return to the pan.



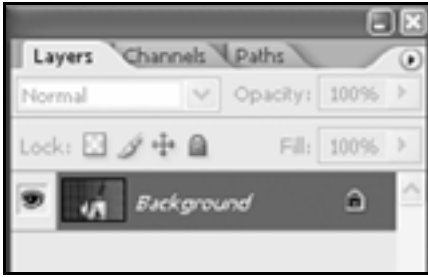
- 3.** Save **Cookout.psd** in the **Practice Files** folder.

Merge layers

1. On the Menu Bar, click **Layer**, then **Flatten Image**.



The **Layers** palette now shows a single ***Background*** layer.



- 2.** Save the flattened graphic as **cookout.jpg** in the **Practice Files** folder, then close it.

Practice

- 1.** Open **0006619.jpg** and **0006572.jpg** from the **Photoshop Graphics** folder.
- 2.** Use the  tool to select the slice of bread in **0006572.jpg**.
- 3.** Copy the bread slice into **0006619.jpg**.
- 4.** Rename Layer 1 as **Bread**.
- 5.** Add text in a new layer that reads:

Bread: the staff of life

Tip: *Use any font, size and color you like.*
- 6.** Name the new layer **Text**.

7. Merge all three layers into one Background layer.

It should look something like this:



8. Save the graphic as **bread.jpg** in the **Practice Files** folder, then close it.

Glossary

Crop

To select a part of a graphic and remove it from the rest of that graphic.

GIF

Graphical Interchange Format (pronounced "jif") image file format. GIF files are best used for drawn art referred to as line art or clipart. They are limited to only 256 colors.

JPG or JPEG

Joint Photographic Experts Group image file format. JPG files handle graphics with a large number of colors. They are best used for photographs on web pages.

Palette

A palette offers options for adjusting how a specific tool functions.

Pixel

The smallest unit within a graphic file.

Resize

To change the size of a graphic.

Resolution

The spacing of pixels or dots in a graphic. It is measured in pixels per square inch (ppi) or dots per square inch (dpi).

RGB

The color model of primary colors (red, green and blue) that are mixed to display the colors of pixels on a computer monitor.

TIFF

Tagged Image File Format. The file format typically used for graphics in print documents.

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