



## Make Images Web Ready

In this exercise we will learn how to make images, such as photos, web ready. Create a folder called "Yourname.webready" to be your Local Root Folder for this lesson. Inside this folder create another folder called images and copy & paste your original photos (not the resized ones) from the "Using the Camera" lesson into this folder. You will be using these photos for this lesson

**Purpose of this exercise:** Within Photoshop there is the capability to make you images so they will work better for your website. In this lesson we will explore a some options to make you images more web friendly.

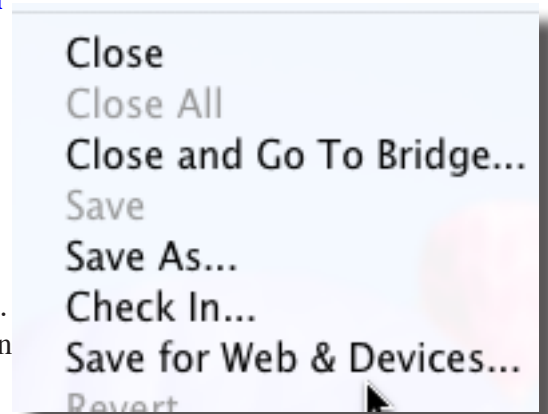
Go ahead and start Photoshop by clicking on the blue square with the PS on it on the dock. When you get in Photoshop go to File>Open. Then find the Local Root Folder and the Images folder that you have your images in. Open one of the images.

The first thing that we are going to do is to optimize the image for the web as a JPG. Choose one of the images.

### Optimizing for a JPG:

1. Start by changing the size of the image.
  - a. Go to Image>Image Size
  - b. Make sure the Constrain Proportions is checked. This will keep your image proportional (That means if you have a square image it will continue to be square and if you have a rectangle image it will continue to be a rectangle in the same direction as the original.)
  - c. Make sure the Width and Height are on inches for the "Document Size:" area.
  - d. Let's change the size to be approximately 5x7 (may not be exacte). Pick either the Width or the Height and change the size that you want it to be (either 5 or 7). The other will be changed automatically if you did letter b correctly.
  - e. Change the "Resolution" to 72 dpi.
  - f. Check out the difference in size by looking at a the top where it says "Pixel Dimensions:". Look for the number with either a M or K. It will give the new file size and tell you the old file size. For this exercise I want you to type the Old Size and New Size using "Word" and save it in your folder for this exercise. **Then print it out and turn in your Assignment Folder behind the evaluation sheet.**
  - g. Save this image as JPEG1.jpg into your folder.
2. Now let's see if we can make it any better.
  - a. Go to File>Save for Web & Devices.... As seen in Fig. #1.
  - b. In the Save for Web window change make sure the setting is for JPG by clicking on the area circled in Fig. #2 on the other side of this page. This area is located in the upper right of the Save for Web window.

Fig. #1



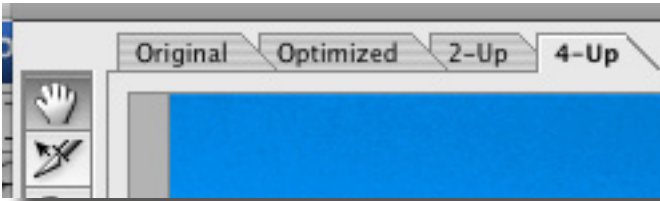


Fig. #2

c. Click on the 4-Up tab that is seen in Fig. #2. Notice you will see 4 images of your photo. Below each image is some information for you to read. On the left side of the information it should say JPG and it will give you the size of the Optimized image. It will also

give you the estimated time of loading. The goal here is to have the best quality image without taking too long for the browser to load. Look at each image and decide which image will give you the best quality as well as a small, fast loading image.

e. Click on the image you have chosen.

f. Click on Ok.

g. [Save this image as "JPEG2.jpg" to the Images folder in your Local Root Folder.](#)

h. On your Simple Text document type the Optimized Size of the image.

## Optimizing for a GIF:

Another type of image that you can use in your websites are GIF's (pronounced jif). A GIF image has some properties that make them very valuable for your website. They can have transparent areas where as JPG's can't. The disadvantage is that they don't always look as good in the website, so there is some trade off.

First we have to do some changes to our image. We will need to open another image in Photoshop.

1. We need to have a window open in Photoshop that is called "Layers". Look for it. If you don't find it, go to Window>Show Layers. If it says "Hide Layers" then the Layers window is already there and you just need to look better.

2. Notice in the Layers window there will be a small replica of your image. It should say "Background". Click on that layer.

3. Go to the little triangle button in the upper right corner of the Layers window and click on it. See circled area on Fig. #3 on the next page. (Note: it's not black any more)

4. Go over to the place it says "Duplicate Layer" and click on it. See rectangle area on Fig. #3. This will duplicate the layer so that you will have two layers with the same image.

5. Click and drag the "Background" layer to the little Trash Can the lower right of the Layers window. This will delete the "Background" layer. You can also delete it by clicking on the layer then clicking on the little triangle button again and going to "Delete Layer".

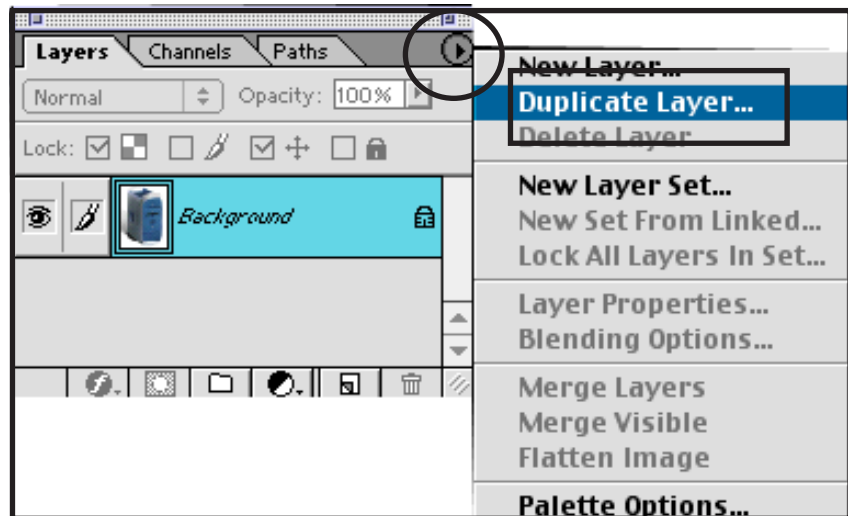


Fig. #3

6. Now find the "Eraser" tool in the Tool Box. The Tool Box is usually on the left side of the screen. It can be moved so look for a long skinny vertical window with a lot of different icons in it. The "Eraser" tool is on the left side of the window about half way down. Looks like a 3D box.

7. Use the Eraser tool to erase all the area that we don't want in the image. If you see checkered board like squares you are doing things correctly. This area will be transparent on your website.

Save this image at this time as a "Photoshop" image (.psd). Name it "Pic.psd".

The rest of the procedure is similar to the JPG optimizing that you did earlier.

1. Start with section 2 of the Optimizing for a JPG on the preceding page of this handout. Part "a" is the same.

2. At part "b" instead of changing it to JPG, change to GIF.

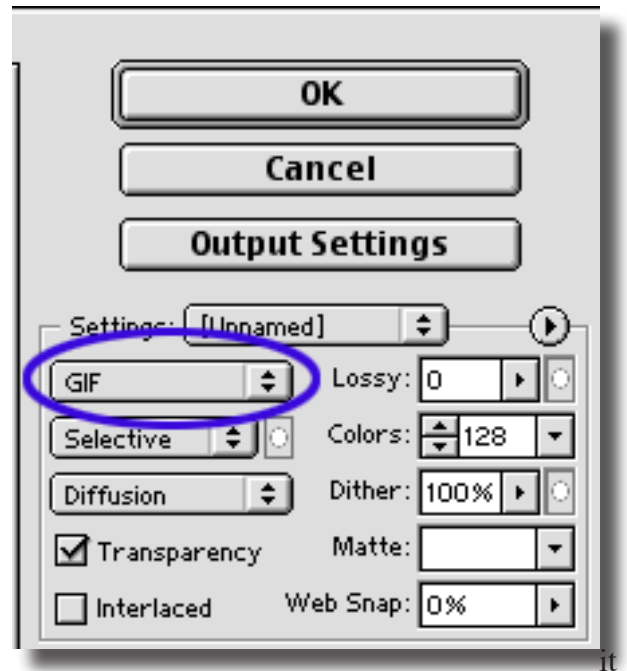
3. Do "c" the same way.

4. Make sure the Transparency box is checked in the upper right area. See Fig. #4.

5. Click on the 4-up.

6. Notice the qualities of the different images presented in the 4-up. Also notice the sizes of the images shown. You should see that the GIF images are considerably smaller than the JPG image. Also you will see that the download times are faster. Choose the one that gives you the best quality for the fastest download time.

7. After you have clicked on the best choice, click on "OK" and save as "Pic.gif" to your "Image" folder in your Local Root Folder.



## For the Third Image:

So you can see the difference between what the erased area in a GIF compared to the erased area in a JPG, I want you to do the steps for erasing again for a third image. Then do the Optimizing for a JPG on the third image. Save in the "Images" folder as "JPEG3.jpg".

## Finishing this Assignment:

For this assignment you should have the following items in your LRF:

1. LRF named "yourname.webready".
3. Within the LRF you should have an "Images" folder.
4. Within the "Images" folder you should have 5 images.
  - a. JPEG1.jpg
  - b. JPEG2.jpg
  - c. Pic.psd
  - d. Pic.gif
  - e. JPEG3.jpg
5. The printout of the data from the JPEG1.jpg image.
6. Print out the evaluation sheet, put your name on it, bind into the Assignment notebook, and the printout behind it.