



How to resize images in Photoshop

© 2006 David Creamer

I.D.E.A.S.

Publishing Consultant & Trainer

Authorized Adobe Training Provider for
Photoshop, Illustrator, Acrobat, InDesign, FrameMaker, PageMaker, GoLive, and Premiere
Adobe Creative Suite Master, Adobe Print Specialist, Adobe Web Specialist

Authorized Quark Trainer

Authorized FileMaker Trainer

Authorized Markzware FlightCheck Trainer

Authorized Enfocus Trainer (PitStop Pro/Server)

Authorized Microsoft Publisher Service Provider

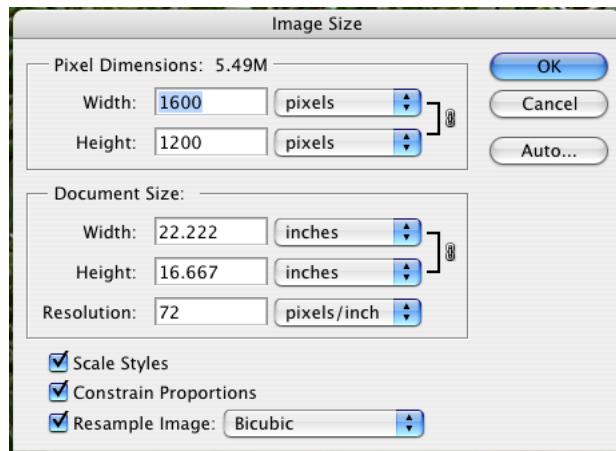
www.IDEAstraining.com

Specializing in custom classroom and on-site training.

Resizing Photos in Adobe Photoshop

Example 1: Digital Camera Photos

As mentioned in the *Understand Resolution* PDF, digital camera photos have no resolution, but since Photoshop must assign a resolution and often this defaults to 72 PPI. For example, when you open a 2-megapixel photo and check the Image>Image Size menu, this is what you would see (note the document size):

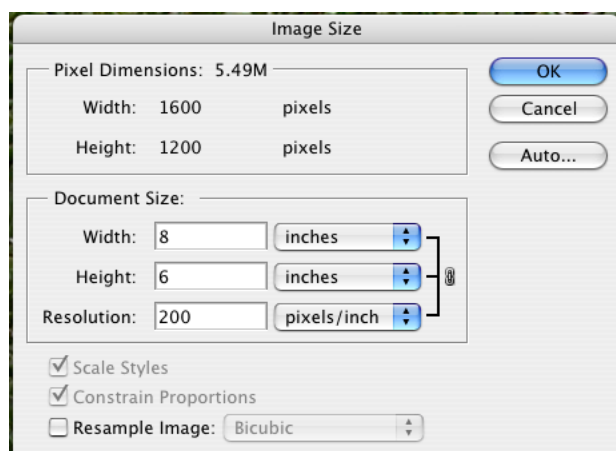


NOTE: Most cameras save their images in JPEG format (.JPG); when working on the file, you should save the image as a Photoshop file (.PSD). If you need JPEG as the final format, you can do a save-as when you are done editing the file. It is not suggested that you continually edit an image while it is in JPEG format.

Setting the Resolution

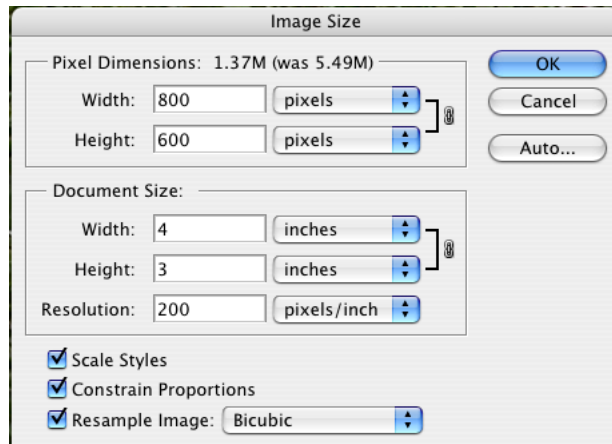
In order to resize the image, without losing pixels, you must turn off the **Resample Image** option at the bottom of the dialog box. When you do this, you will notice that the **Pixel Dimension** can no longer be edited.

Now, type in your desired resolution based on your method of output (refer to *Understand Resolution*). The image size will change, but not the total pixel dimensions (which are now locked).



Setting the Size

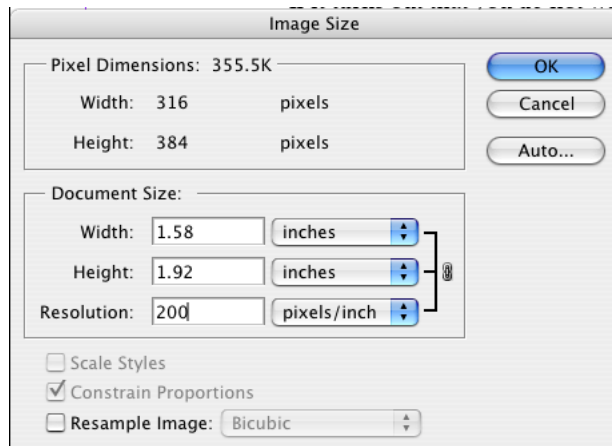
If it turns out that you do not want an 8 x 6 inch image, you would now turn Resample Image back on and type in the desired size.



WARNING: Notice that the file size at the top of the dialog box will change. Anytime you see a change in the file size, you are either adding or removing pixels. When Resample Image is checked, you can either add or remove pixels from your original image. When you remove pixels, it is permanent change, so keep a copy of the original camera image. When you add pixels, Photoshop has to add in “fake” pixels (this also is a permanent edit). It is always desirable to obtain “true” pixels during the initial camera shot (by using a higher-megapixel camera) or during a scan (by using a higher-optical resolution scanner).

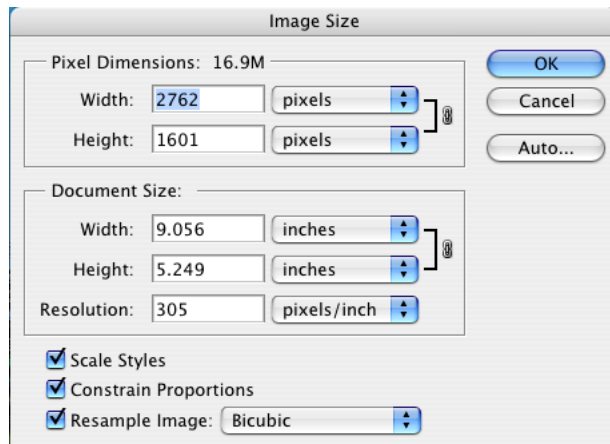
Example 2: Web Images

Web graphics should be handled the same way as digital camera images, however, web graphics normally do not work well for print. The reason is that web graphics usually do not have many pixels, so when you turn off **Resample Image** and set the higher resolution, the image size becomes too small to be useful.



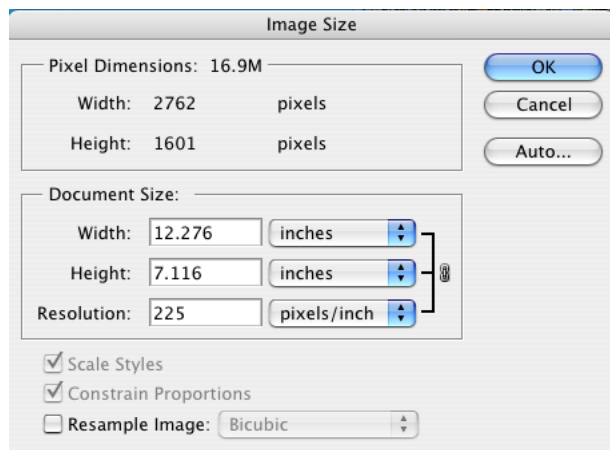
Example 3: Existing High-Resolution Images

The process is the same for hi-res images, but instead of having a large file size and a low resolution, the images have a “normal” size and a higher resolution.



Setting the Resolution

In order to resize the image, again, you must turn of the **Resample Image** option at the bottom of the dialog box. Now you should set the resolution to your desired setting.



NOTE: For commercial printing, using the 1.5x the LPI, you can get a larger file size from your images, however, you must not enlarge the images in a desktop-publishing program.

Setting the Size

Again, you can adjust the size of an image by turning on the Resample Image checkbox. The only benefit this option has is smaller file sizes (notice the size difference in the example below).

