

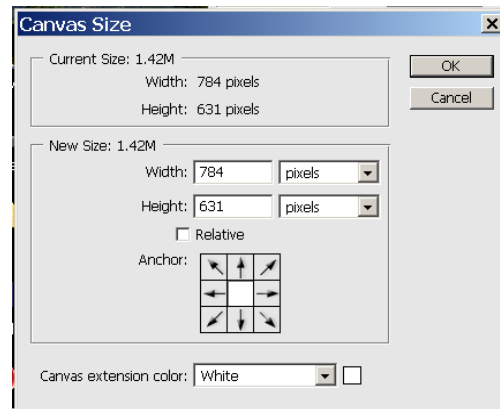
Adding a Border to a Digital Image Using Photoshop or PS Elements

Borders are easily added to a digital (JPEG) image using Photoshop.

If you are preparing your image for Club competition or display on the Club web site, before adding your border, you should follow the resizing instructions, given on Page 2.

TO ADD A BORDER:

1. Open the image file in Photoshop editor.
2. From the top menu, select Image → Canvas Size (PSE: Image → Resize → Canvas Size). This opens the Canvas Size dialog box.
3. In the New Size area, set the units to “pixels.” The “Relative” box should remain unchecked. The Anchor point should be in the center.
4. Border color can be selected in the “Canvas extension color” box.
5. In the New Size area, add 2X the desired border size to the pixel dimensions for both Width and Height. The correct number of pixels to add depends on the size of the image and your border preferences. Smaller images will need fewer pixels to produce the desired effect. Experience is the best teacher.
6. Click OK to resize canvas.
7. Check your results by selecting the “magnifying glass” tool and clicking the Fit On Screen button. To undo change, press Ctrl-Z (Windows).
8. From the top menu, select File → Save As... Set the Format to JPEG.
Very Important: Change the file name to something different than its original name (so not to overwrite your original file, an error from which there is no recovery). Click Save.
If you created a TIFF file, it can be deleted at this point.



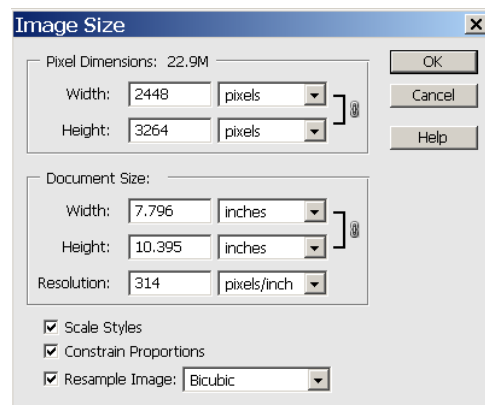
TO RESIZE AN IMAGE AND ADD A BORDER:

1. When you want to resize to maximum allowable dimensions and include a border, you must calculate resizing dimensions that allow for the space to be taken by the border. For example, if your maximum allowed dimension is 768 pixels and you want a 6-pixel border, you will have to reduce the maximum by 2X the border, to 756 pixels ($768 - 12 = 756$).
2. Open the image file in Photoshop editor.
3. From the top menu, select **Image** → **Size (PS)** or **Image** → **Resize (PSE)**.
4. In the Image Size dialog box, the checkbox to **Constrain Proportions** must be checked.

5. RESIZING FOR COMPETITION:

(Where maximum dimension is 768 pixels)

In the Pixel Dimensions box, select **Height** or **Width**, whichever shows the largest number of pixels. Calculate the value for this number that allows space for the border, as described in step 1. The pixel count for the other dimension will automatically change in proportion. Continue with steps 7 and 8.



6. RESIZING FOR WEB PAGE:

(Where maximum dimensions are 775 pixels in width and 575 pixels in height)

Calculate values for both dimensions that allow space for the border, as described in step 1. In the Pixel Dimensions box, select **Height** or **Width**, whichever shows the largest number of pixels. Change that number to your calculated value for that dimension. The pixel count for the other dimension automatically changes in proportion. If the second number exceeds the value you calculated for that dimension, then change the second number to its calculated value. (The first number will automatically adjust to a value less than the maximum for its dimension.)

7. To preserve image quality, you should save the resized image as a TIFF file, add your border and then save the final image as a JPEG file. From the top menu, select **File** → **Save As...** Change the Format to TIFF. Then click **Save**.
8. Follow the instructions for adding a border, given on page 1.