



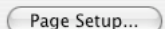
How to Print Color Accurately through Photoshop CS3 (Mac)

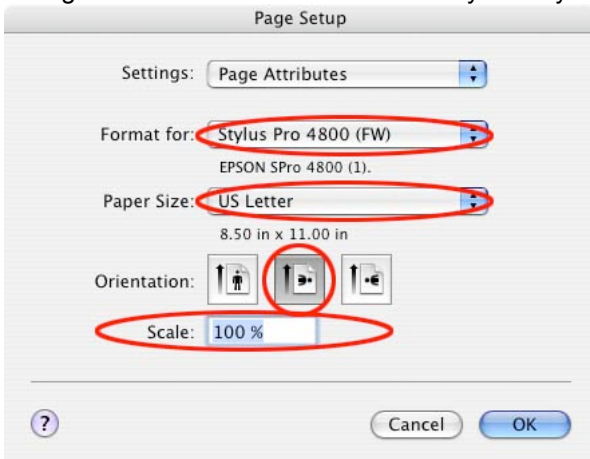
❖ This tutorial assumes that you've properly set your image dimensions in Photoshop to fit your page, and that your file is set to a proper resolution of 240ppi. It is assumed that you are using Adobe RGB (1998) as your color working space for all images, and that your monitor has been profiled recently and correctly.

1. Be sure that no matter where your image came from, the embedded document profile comes in as Adobe RGB (1998) for your working space. You can verify your file in the lower left hand side of the image window by clicking the  button, then **Show→Document Profile** and you should see this:



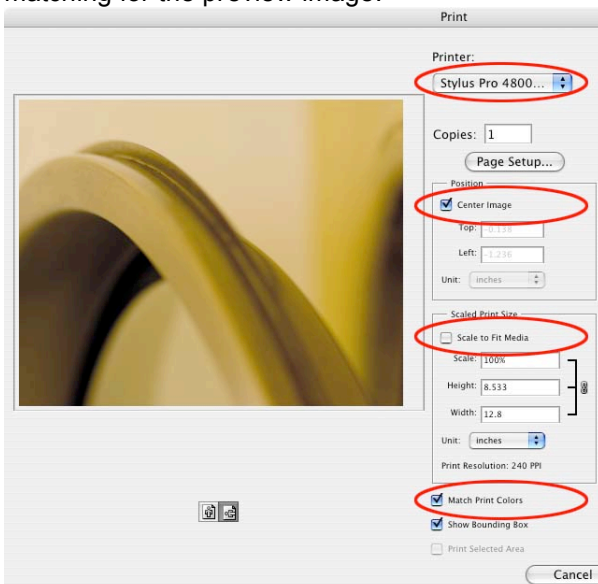
You cannot change the color space here. It is only used to verify which space the file is using. If this checks out, then it is safe to color-correct your file etc. then move on to step 2.

2. Under the **File** menu, choose  **Print...**
3. When the Print Preview window appears, look for & click the  **Page Setup...** button.
4. When Page Setup appears, select your correct printer (for example 4800FW, 3800 or 2400), Paper Size, & Page Orientation. Scale should always always be 100%.



Click OK: This will send you back to the Print Preview window.

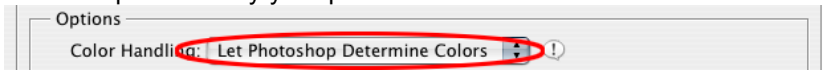
5. In the left column of options, select the correct printer again, turn on the “Center Image” checkbox, Scale is 100%, and turn on the “Match Print Colors” checkbox (optional) if you wish to enable onscreen color matching for the preview image.



Now for the right half of the window...

- On the right half of the Print Preview window (the “Color Management” area), be sure that you’ve selected the right choice for each of the following options: and be sure that your document Profile is selected and appearing as Adobe RGB (1998)

Color Handling: Photoshop will do the translation from the color that you see on-screen to the color that can be reproduced by your printer.

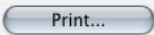


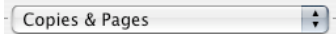

Printer Profile: Select the one from the list that matches both your Printer and Paper. In some cases you may also need to specify Matte Black (MK) or Photo Black (PK). Epson profiles have codes that identify the printer & paper combination. (Pro 4800 PLPP means this printer with Premium Luster Photo Paper.)

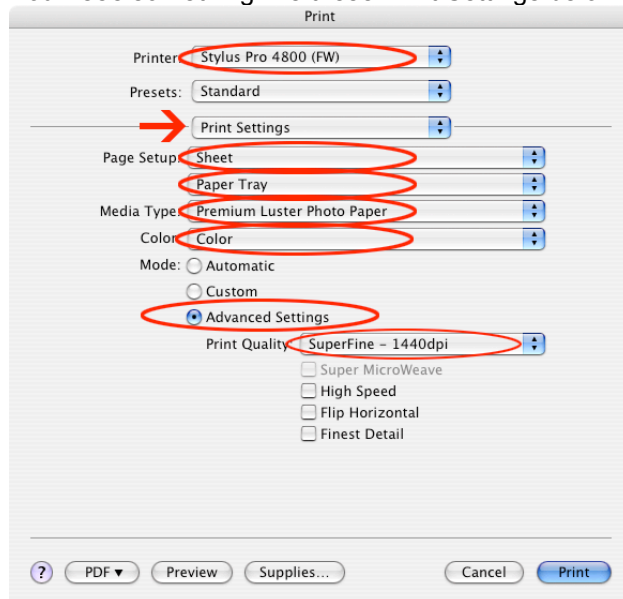


Rendering Intent: The two best choices are Perceptual (preserve visual color relationships during color translation) or Relative Colorimetric (preserve more of the original colors during color translation). Turn ON the Black Point Compensation checkbox.



Click the  Button to proceed to the Printer Dialogue Box.

- Once in the Printer Dialogue Box, select your correct printer then click the  dropdown to see the different Options for your Printer. Under that list select . You’ll see something like these Print Settings below that, in the box:



Page Setup: Tell the Printer if you are using sheet or roll paper as well where to feed the paper from.

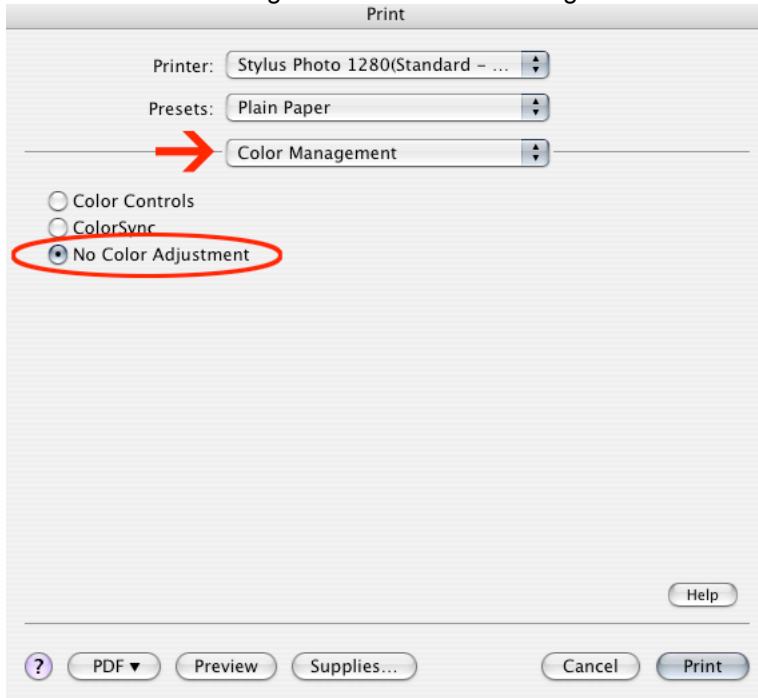
Media Type: Select the paper you are using. If it is not listed use the closest match.

Ink: Always select Color for color images.

Mode: Always select “Advanced Settings” which gives you access to specific printer resolutions etc.

- Print Quality: Only the useful settings (and resolutions) for printing photos are listed here:
 - Photo (720 dpi) – Decent enough for very rough work prints or digital contact sheets.
 - Best Photo (1440 dpi) – Best quality for good work prints and final prints.
 - Photo RPM (2880 dpi) – Usually overkill, wastes more ink & takes much longer to print.
- MicroWeave: Increases print quality for photos, but takes slightly longer to print. Selecting certain papers will sometimes turn it on or off automatically.
- High Speed: or Bi-Directional printing. The print-head lays ink on the paper as it moves in both directions instead of just in one direction. Using this will result in a slight decrease in print quality.
- Flip Horizontal: Don’t use this. It’s better to do it in Photoshop if you need it.
- Finest Detail: Same as MicroWeave, but for text, solid graphics, and line art.

8. While still in Printer Dialogue Box, click the **Print Settings** dropdown to see the different Options for your Printer, then select the **Color Management** option. You'll See the following choices for Color Management in the area below:



Color Controls: Don't use it

ColorSync: Don't use it

No Color Adjustment: Insures that the printer driver does not do a second color translation on top of the color-ready file coming from Photoshop. There won't be any other options under this setting.

9. Just to be on the safe side, you should toggle back and forth between the “Color Management” and “Print Settings” categories one last time to make sure your settings are sticking. There may be times that the printer driver resets itself randomly and for no reason. If your settings are still there, click the **Print** button and enjoy.