

# File Settings

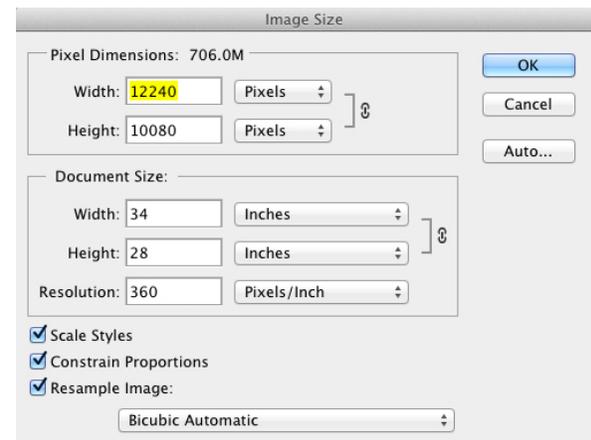
If printing through Photoshop TIFF or Photoshop files should be used when printing,

JPEG file types compress image information so try and keep files either in Raw format or Tif/Psd

Always shoot RAW!

16 bit files are not necessary, but can produce better results than an 8 bit file would.

A proper print resolution is extremely important to the quality of your final print. The pixels per inch (PPI) of your file should be at 360 or 240 at the document size i.e. 24 x 30" at 360 PPI



# Printing in Lightroom

Set up your own template or use a LR pre-set template.

Settings: Page Attributes

Format for: EPSON Epson Stylus Photo...  
EPSON SP R3000 Series

Paper Size: US Letter  
8.50 by 11.00 inches

Orientation:

Scale: 100 %

Printer: EPSON Epson Stylus Photo R3000

Presets: Standard

Copies: 1  Collated

Pages:  All  
 From: 1 to: 1

Printer Settings

Basic Advanced Color Settings

Page Setup: Standard

Media Type: Premium Photo Paper Glossy

Ink: Photo Black

Print Mode: AccuPhoto HD2

Color Mode: Off (No Color Management)

Output Resolution: SuperFine - 1440dpi

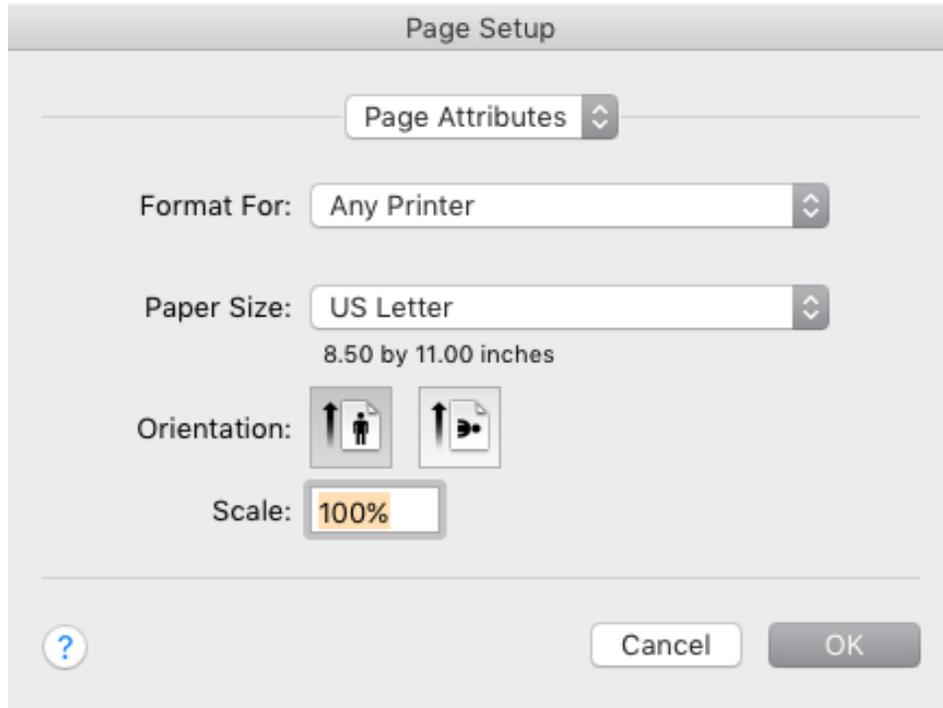
High Speed  
 Mirror Image

Page Setup... Print Settings...

Page Setup... Print Settings...

Use: Selected Photos

# Page Setup



## Page setup

Format is the printer you are sending to- be sure to choose the correct printer

Paper Size should match exactly the paper size you are printing on.

Orientation is the layout of how you want the photo to sit on the page.

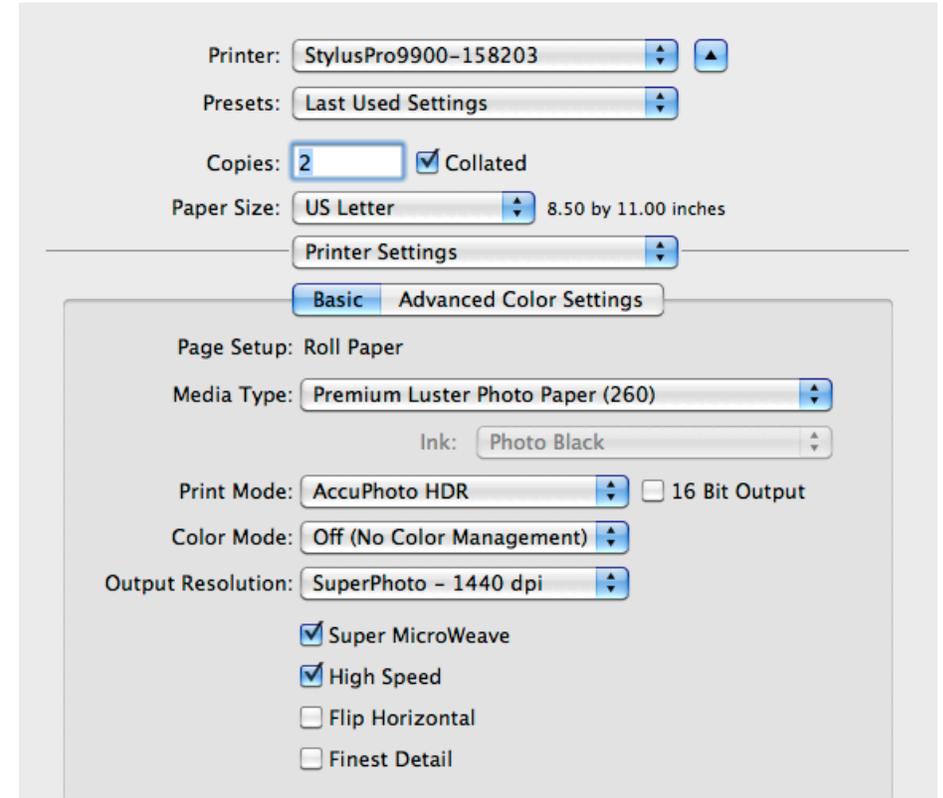
# Printer (Driver) Settings

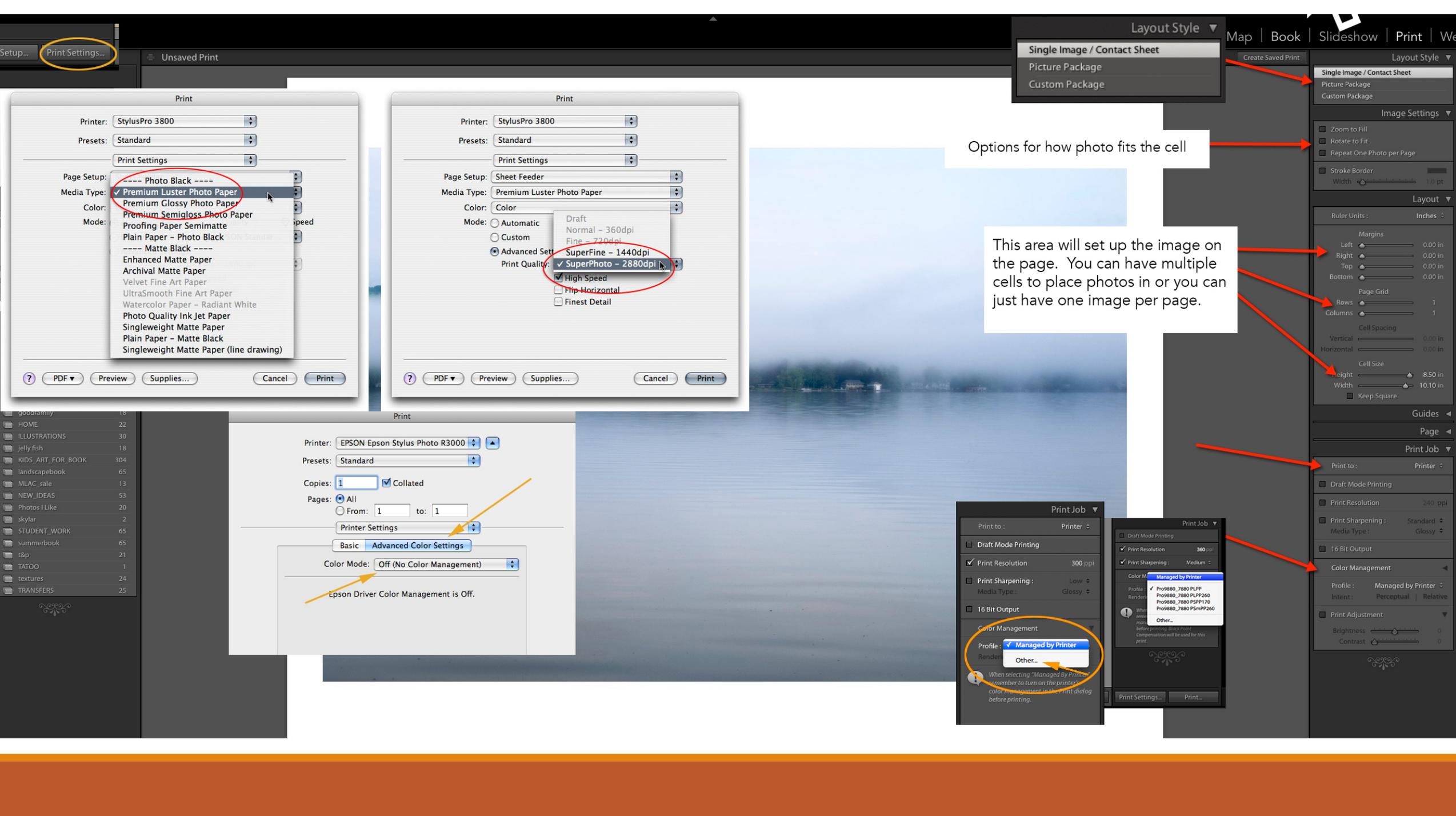
Choose the correct media type that matches your paper, if you are using a non-epson media then choose one that is closest to your media type.

Set a high resolution print mode such as 1440 or 2880.

Check high speed printing, this allows the printer to print in both directions on a print head pass.

Always turn off the color management of the printer to avoid "double profiling" from the printer and Lightroom or Photoshop.





Print Settings...

Printer: StylusPro 3800

Presets: Standard

Print Settings

Page Setup: Photo Black

Media Type: Premium Luster Photo Paper

Color: Color

Mode: Standard

Buttons: PDF, Preview, Supplies..., Cancel, Print

Printer: StylusPro 3800

Presets: Standard

Print Settings

Page Setup: Sheet Feeder

Media Type: Premium Luster Photo Paper

Color: Color

Mode: Advanced Settings

Print Quality: SuperPhoto - 2880dpi

Buttons: PDF, Preview, Supplies..., Cancel, Print

Printer: EPSON Epson Stylus Photo R3000

Presets: Standard

Copies: 1 Collated

Pages: All

Printer Settings

Basic Advanced Color Settings

Color Mode: Off (No Color Management)

Epson Driver Color Management is Off.

Layout Style

- Single Image / Contact Sheet
- Picture Package
- Custom Package

Options for how photo fits the cell

This area will set up the image on the page. You can have multiple cells to place photos in or you can just have one image per page.

Print Job

Print to: Printer

Draft Mode Printing

Print Resolution: 300 ppi

Print Sharpening: Low

16 Bit Output

Color Management

Profile: Managed by Printer

Render Intent: Other...

Print Job

Draft Mode Printing

Print Resolution: 300 ppi

Print Sharpening: Medium

Color Management

Profile: Managed by Printer

- Pro9880\_7880 PLPP
- Pro9880\_7880 FLPP260
- Pro9880\_7880 PSP170
- Pro9880\_7880 P5mPP260

Other...

Image Settings

Zoom to Fill

Rotate to Fit

Repeat One Photo per Page

Stroke Border: 10 pt

Layout

Ruler Units: Inches

Margins: Left 0.00 in, Right 0.00 in, Top 0.00 in, Bottom 0.00 in

Page Grid: Rows 1, Columns 1

Cell Spacing: Vertical 0.00 in, Horizontal 0.00 in

Cell Size: Height 8.50 in, Width 10.10 in

Keep Square

Guides

Page

Print Job

Print to: Printer

Draft Mode Printing

Print Resolution: 240 ppi

Print Sharpening: Standard

Media Type: Glossy

16 Bit Output

Color Management

Profile: Managed by Printer

Intent: Perceptual | Relative

Print Adjustment

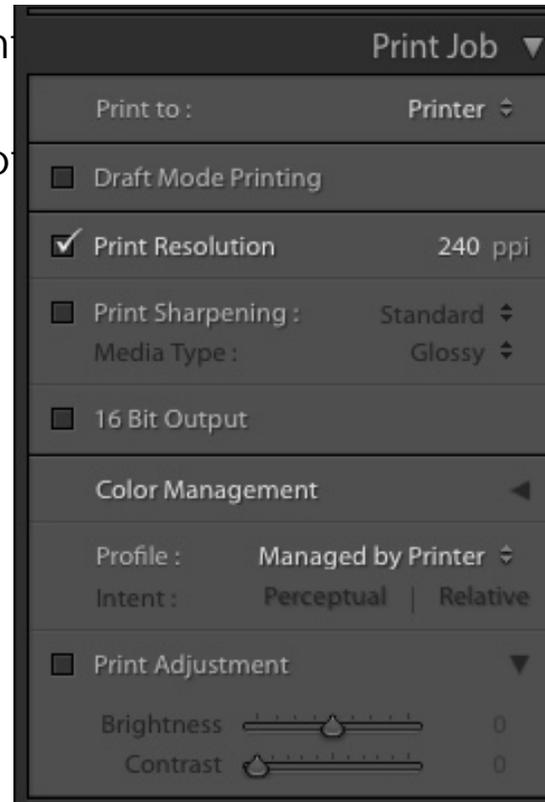
Brightness: 0

Contrast: 0

## Set print resolution

In the Print module, the Print Resolution setting specifies the pixels per inch (ppi) of the photo for the printer. Lightroom resamples the image data if needed, depending on the print resolution and the print dimensions. The default value of 240 ppi is satisfactory for most print jobs, including high-end inkjet prints.

Epson 360/240 ppi is best.



## Sharpen a photo for print

Print Sharpening lets you sharpen the image before it's sent to the printer. Print sharpening is performed in addition to any sharpening that you apply in the Develop module.

Deselect **Print Sharpening** if you don't want any sharpening applied in the Print module. This option is useful when the sharpening you have applied in the Develop module produces the desired results.

## Print 16-bit color

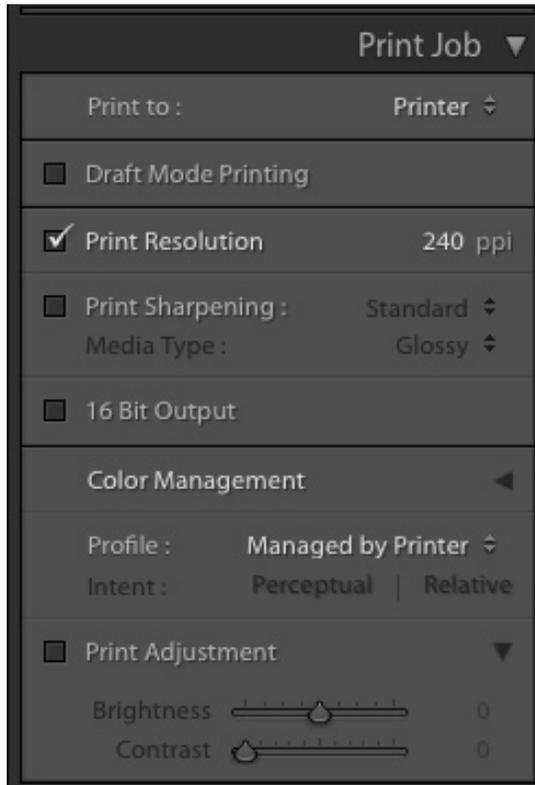
In the Print Job panel, select **16 Bit Output** if you are printing to a 16-bit printer under Mac OS 10.5 (Leopard) or higher.

### Note:

If you select 16 Bit Output and print to a printer that does not support it, print performance is slowed, but quality is not affected.

# What is Color Management?

A system that transforms data encoded for one device (such as scanner RGB) into that for another device (such as printer CMYK) in such a way that it reproduces on print the same colours as those scanned. Where exact colour matching is not possible the result should be a pleasing approximation to the original colours. In general the term colour management system is usually reserved for those systems that use the internationally accepted CIE system of colour measurement as a reference.



## Set print color management

You can specify whether Lightroom or the printer driver handles color management during printing. If you want to use a custom printer color profile created for a specific printer and paper combination, Lightroom handles the color management. Otherwise, the printer manages it. If Draft Mode Printing is enabled, the printer automatically handles color management.

### Note:

Custom printer color profiles are usually created using special devices and software that generate the profile files. In the Color Management area of the Print Job panel, choose one of the following from the Profile pop-up menu:

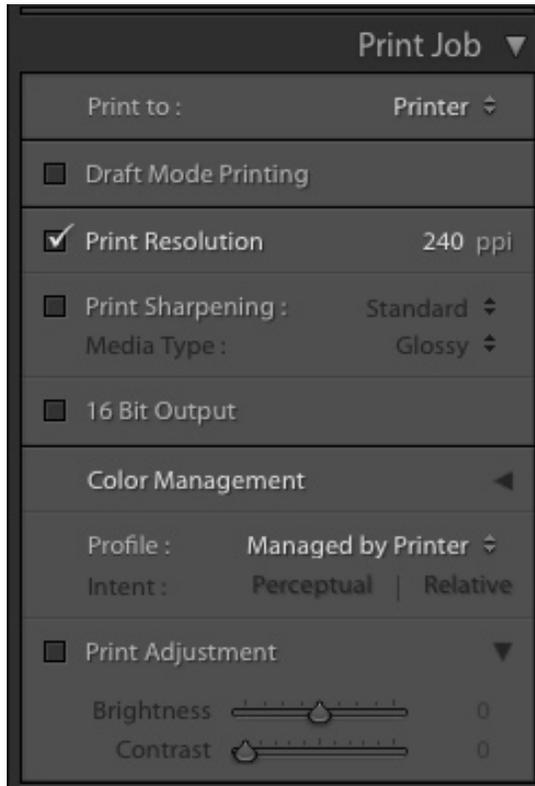
### Note:

If you choose a custom printer color profile in Lightroom, make sure color management is turned off in the printer driver software. To select printer profiles to appear in the Profile pop-up menu, choose **Other** and then select the color profiles in the Choose Profiles dialog box.

**Adjustment.** Then, drag the Brightness and Contrast sliders.

### Note:

Dragging the Brightness and Contrast sliders produces tone curve adjustments. These adjustments do not preview onscreen. It may take some experimentation to determine what settings work best for your individual photos and your specific printer.



**Definition of Rendering Intent** - Rendering intent describes the four modes by which color management systems adapt some or all colors in a picture to the limitations of a given display or printer.

From the [Dry Creek Photo article](#) on color management -

"For most images, Relative Colorimetric rendering produces superior results. For others, Perceptual will be far better. These cases include images with significant shadow details where a slight lightening of the print is acceptable to open up the shadows. Also images with areas of highly saturated color can benefit from Perceptual rendering. If you see color banding in the soft proof with Rel. Color. selected, try Perceptual. With experience you will get a feel for which images best pair with each rendering intent."

### **Intent Definitions - Per the Photoshop Print Dialog**

**Perceptual** - Aims to preserve the visual relationship between color so it's perceived as natural to the human eye, even though the color values themselves may change. This intent is suitable for photographic images with out-of-gamut colors.

**Relative Colorimetric** - Compares the white of the source color space to that of the destination color space and shifts all color accordingly. Out-of-gamut colors are shifted to the closest reproducible color in the destination color space. Relative colorimetric preserves more of the original colors in an image than Perceptual.

# What are ICC profiles?

In color management, an **ICC profile** is a set of data that characterizes a color input or output device, or a color space, according to standards promoted by the International Color Consortium (**ICC**).

\*You will need a ICC profile to match the printer you are using as well as the specific paper type



Digital FineArt  
Collection

Hahnemühle Photo

HARMAN by  
Hahnemühle

FineArt Photo Cards

Hahnemühle Platinum  
Rag

InkJet Photo Albums

Hahnemühle  
Protective Spray

Hahnemühle Varnish

Certificate of  
Authenticity

Archive &  
Portfolioboxes

Galerie Wraps

► ICC Profile

► Download Center

FAQ

Installing Profiles

Archive

Frequently Asked  
Questions

Contact

## ICC profiles

Please select the manufacturer of your printer.

Manufacturer

✓ Please select  
Canon  
Epson  
Hewlett Packard

### Download list

Your download list is still empty. Choose the files you want to download by clicking on them in order to add them to the list.

### Hahnemühle Media Packages - Mirage

Please find [here](#) the Mirage media packages containing all Hahnemühle Media for supported Epson printers.



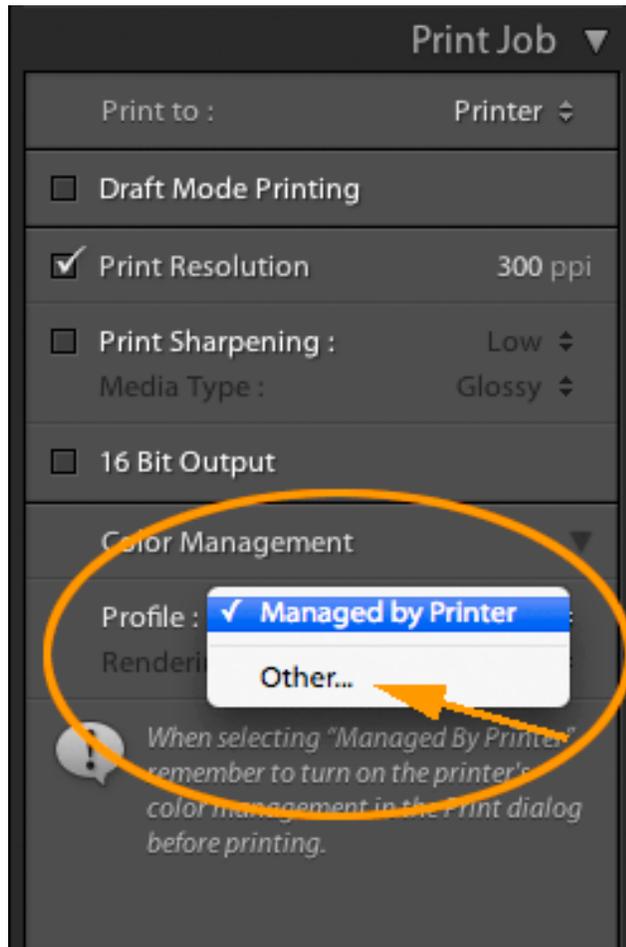
If you have problems not solved by our handling instructions, please contact our technical support: [dfa@hahnemuehle.com](mailto:dfa@hahnemuehle.com) or +49 5561 791-368.

ICC Profiles for older inkjet printers are available [here](#).

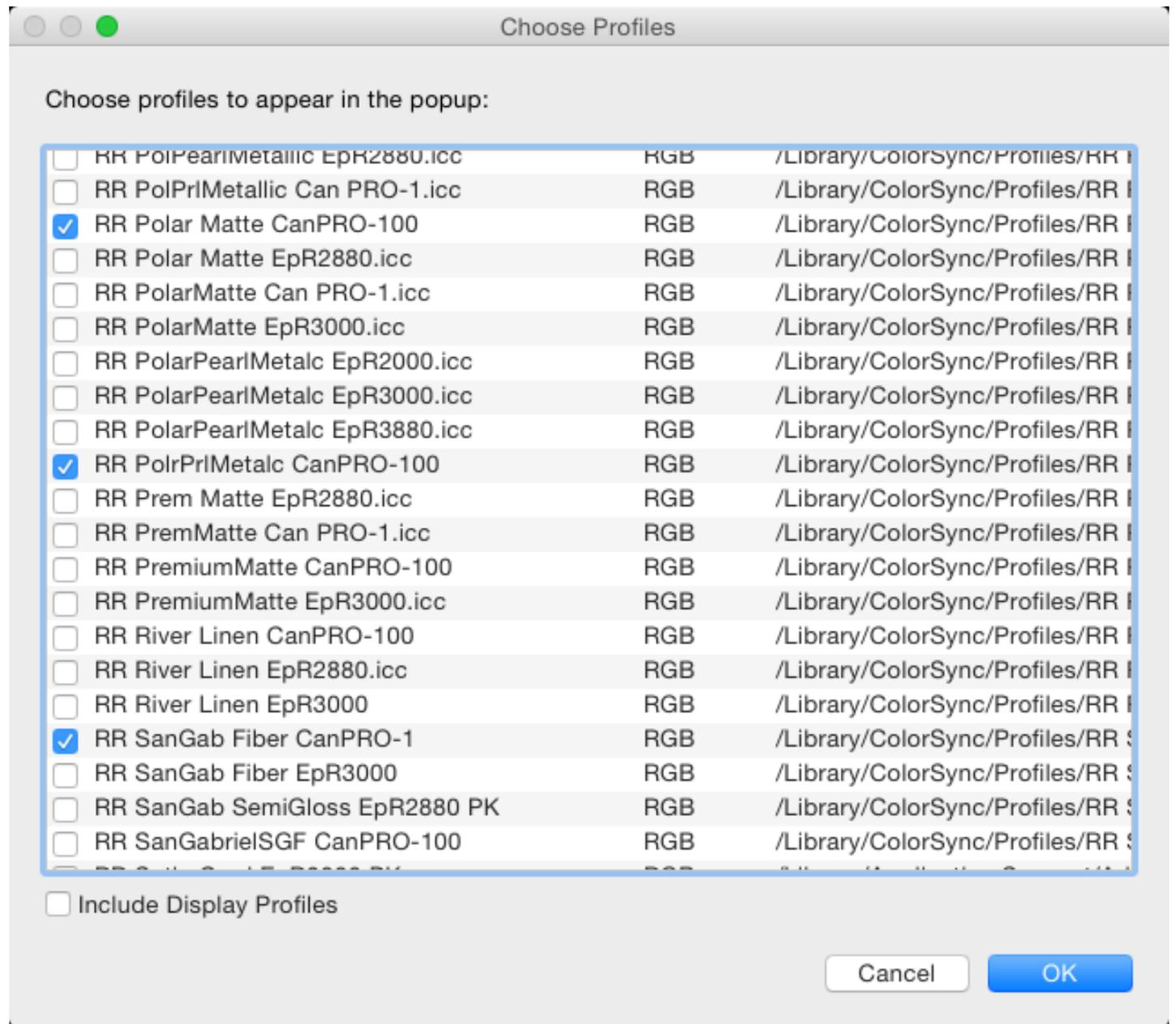
The following older printers are featured inside the archive:

- Canon i9950
- Canon iPF6000S
- HP Photosmart Pro B8850
- HP Photosmart Pro B9180
- Epson Stylus Photo 2100, 2200
- Epson Stylus Photo R1900
- Epson Stylus Pro 4000
- HP Designjet Z5500
- Epson Stylus Photo R800, R1800
- HP Designjet Z6100
- HP Designjet Z4000

ICC Profiles for HARMAN by Hahnemühle are available [here](#).



PL- photo black  
MK- matte black

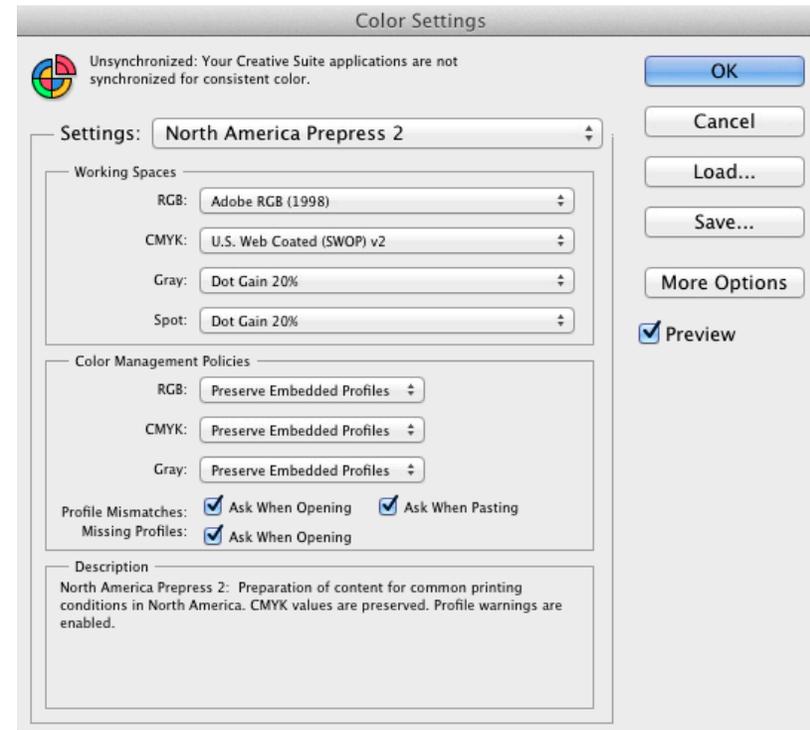


# Photoshop Settings

**Always** work in an RGB color space, **not** CMYK.

Your input RGB color space should be AdobeRGB(1998), not sRGB.

sRGB is for web!



# Photoshop Print Settings

Always “Allow Photoshop to Determine Colors” and select an output or paper profile that is specific to your printer and paper combination.

Use either Perceptual or Relative Colorimetric rendering intents.

Always check Black Point Compensation

