Proof the output on the monitor
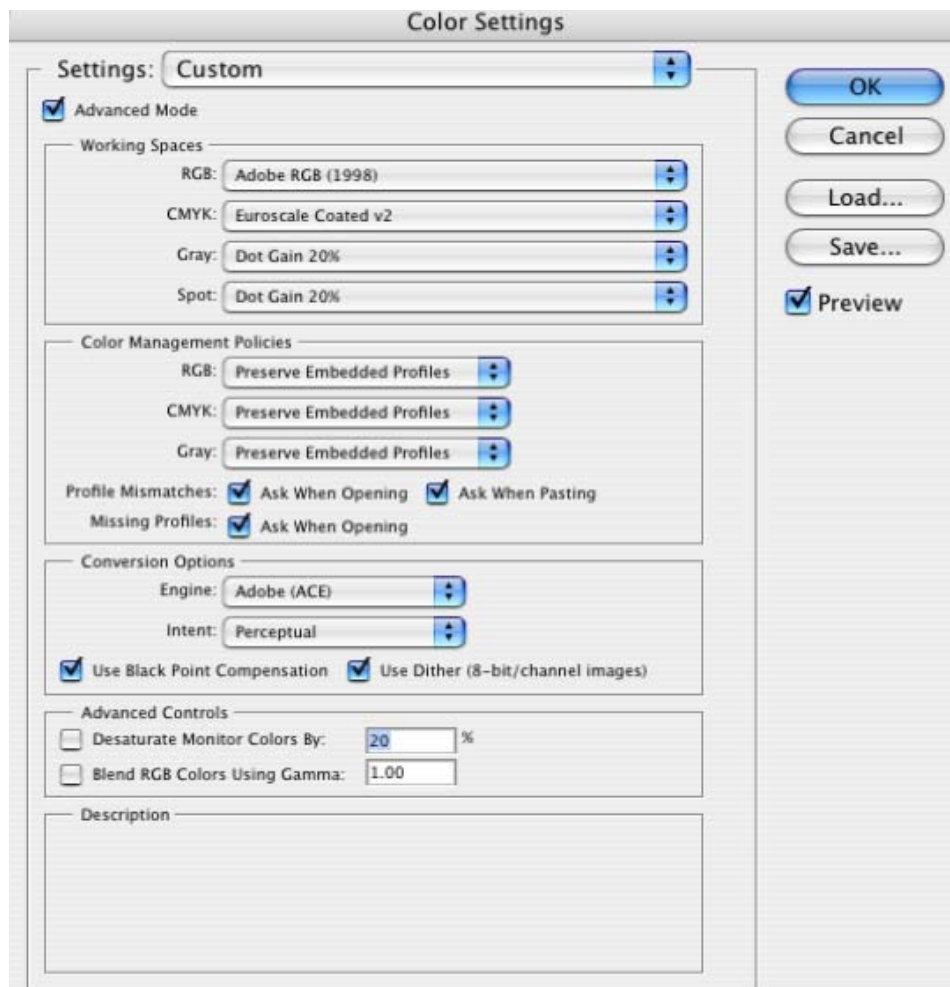
Application: Adobe Photoshop CS
Printer: HP Designjet 30/130 series
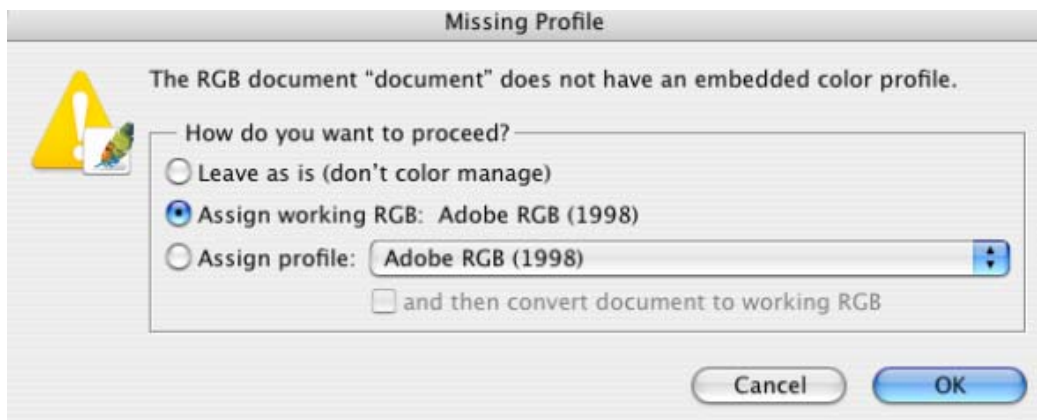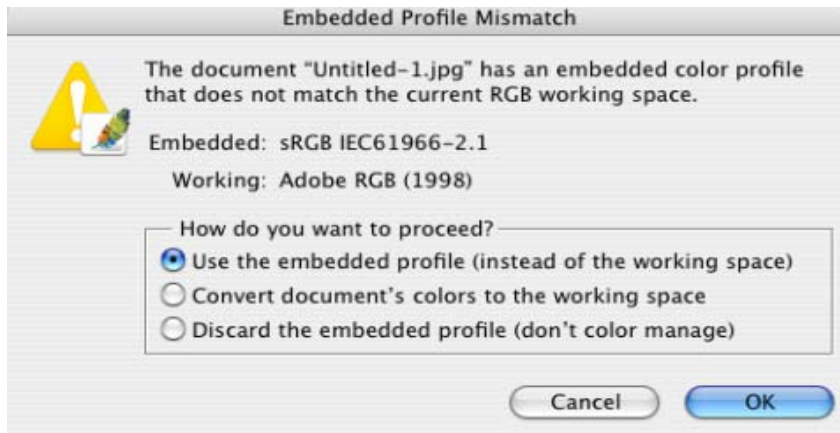*Software*: HP Software RIP
Operating System: Mac OS X

1. First recommendations:

   - See the Media type functionality & features and choose the most appropriate media.

   - It is essential to have the media type correctly calibrated with the printer and print mode, consult the Calibrate my printer document.

   - In order to get a correct display, it's also essential to have the monitor profiled, consult the Profile my monitor document.

2. Open Adobe Photoshop CS.

3. Configure the **Color Settings, Photoshop menu > Color Settings…**:

   - Make sure the **Advanced Mode** check box is ticked.

   - **Working Space > RGB**: Adobe RGB (1998).

   - **Working Space > CMYK**: Euroscale Coated v2 (for Europe), U.S. Web Coated (SWOP) v2 (for US) and Japan Standard v2 (for Japan).

   - **Color Management Policies**: Preserve the embedded profiles.

   - **Profile Mismatches**: check **Ask When Opening** and **Ask When Pasting**.

   - **Missing Profiles:** check **Ask When Opening.**

   - **Conversion Options > Intent**: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

   - Click **OK**
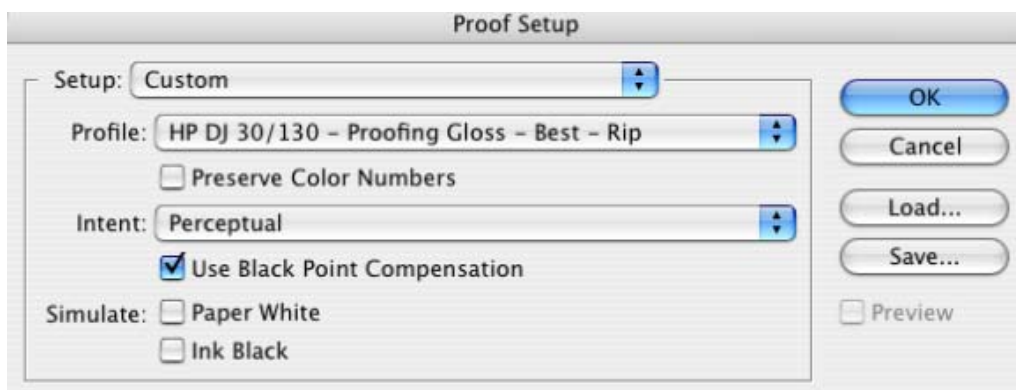
4. Open the image, **File menu > Open**…:

- If the document has an embedded color profile that does not match the current working space, select **Use the embedded profile**. Otherwise, select **Assign working space**.
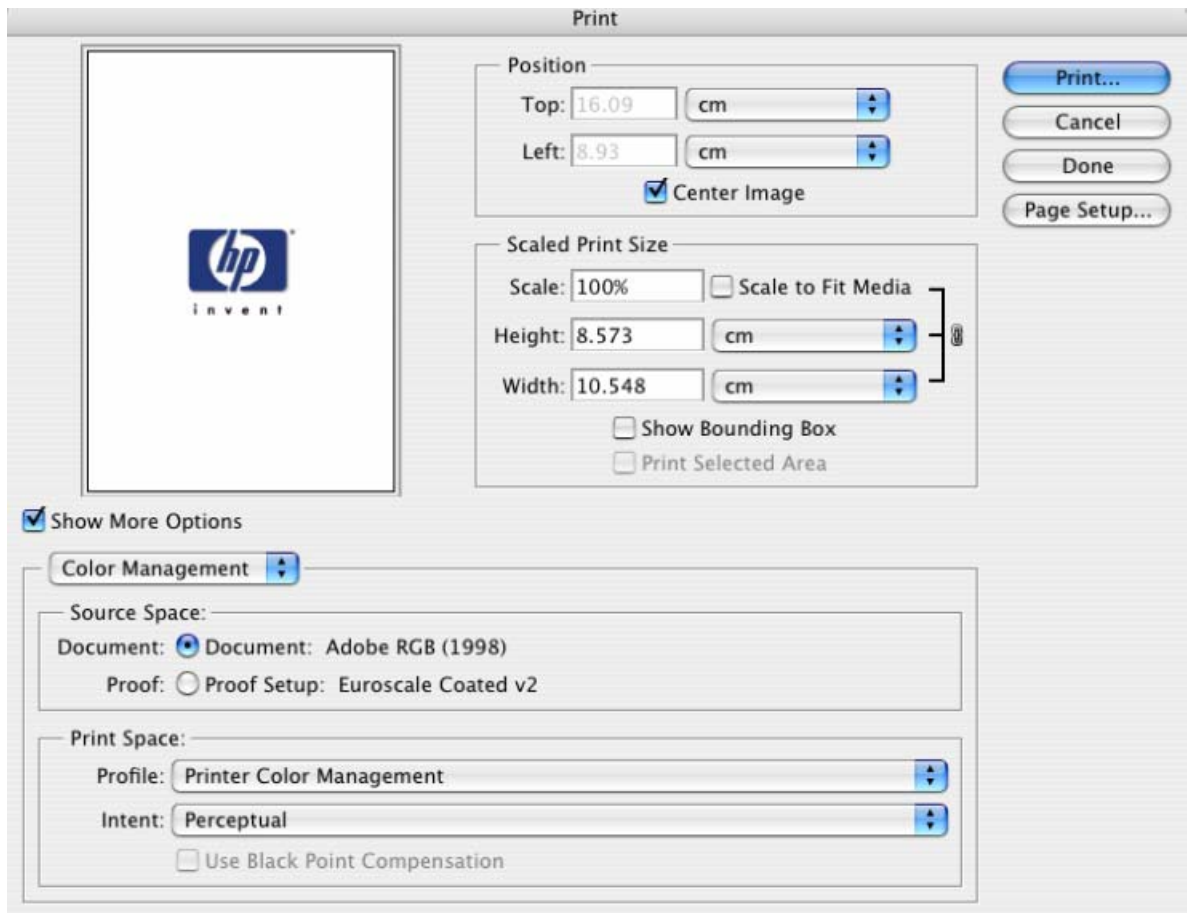

- Click **OK**.

5. Configure the **Proof Setup** dialog box in order to check the output on the monitor, **View Menu > Proof Setup > Custom…**:

- **Profile:** Select the profile of the output device you want to check; the printer profile generally depends on the printer model, the media type and the print mode. If you don't have it on the list, you should copy it into the folder: */Library/ColorSync/Profiles.*

- **Intent:** Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

- Check **Black Point Compensation.**

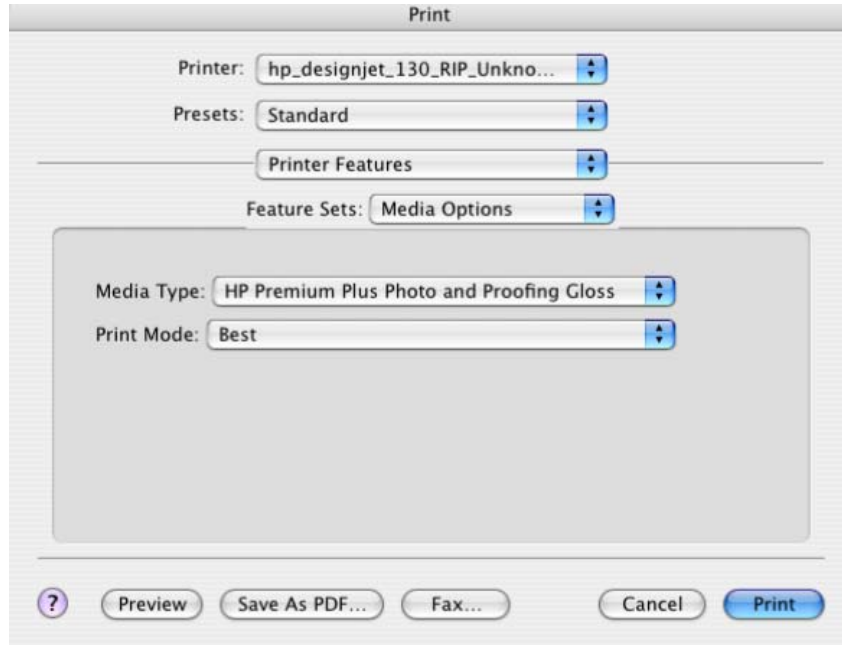- **Simulate > Paper White:** Check it if you want to emulate the whiteness of the paper.

- Click **OK**.
- Now, you can retouch your image and the monitor will show you how it's going to look once you've printed it.

6. Adobe Photoshop **Print with Preview…** settings, **File menu > Print with Preview…**:

- **Page Setup:**
  - **Format for:** Select the printer (i.e. hp designjet 130).
  - **Paper Size**: Select the paper size of the media loaded on the printer.
  - **Orientation:** Select the orientation of your image on the paper.
  - Click **OK**.
- Set the **Position** and the **Scaled Print Size** you need.
- Check **Show More Options**.
- Select the **Color Management** tab:
  - **Source Space**: Document.
  - **Print Space > Profile**: Printer Color Management.
  - **Print Space > Intent**: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images), it should be the same selected as in the **Proof Setup** dialog box.

7. RIP settings, **Print…:**

- **Printer:** Select the printer (ex. HP_Designjet_130_RIP).
- **Printer Features > Media Options** (Mac OS X v10.3):

- o Select the **Media Type** that is loaded on the printer (always calibrated).
- o **Print Mode**: Best (always calibrated).

- You don't need to worry about the RIP color settings (Perform Color Correction, CMYK and RGB Input Profiles and Color rendering intent) because you have selected **Printer Color Management** option in the application, then, the application tells the RIP which source profile and rendering intent should be used for the conversion to the print space, these are the Document profile and the Print Space Intent of the application. The RIP color settings will be overridden.

- Click **Print**.

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