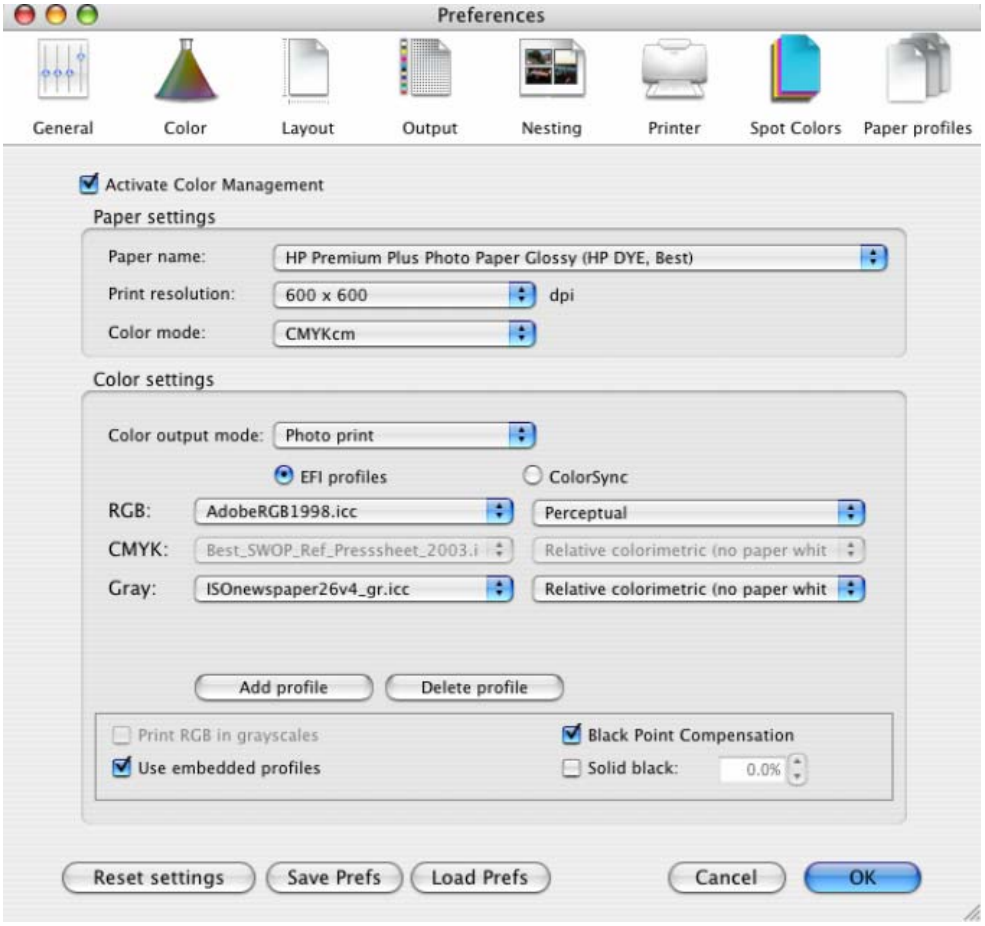
HP LF Printing Knowledge Center

Printing a “match to screen”

Application: Adobe Photoshop CS
Printer: HP Designjet 30/90/130 series
Software: EFI Designer Edition for HP
Operating System: Mac OS X

invent

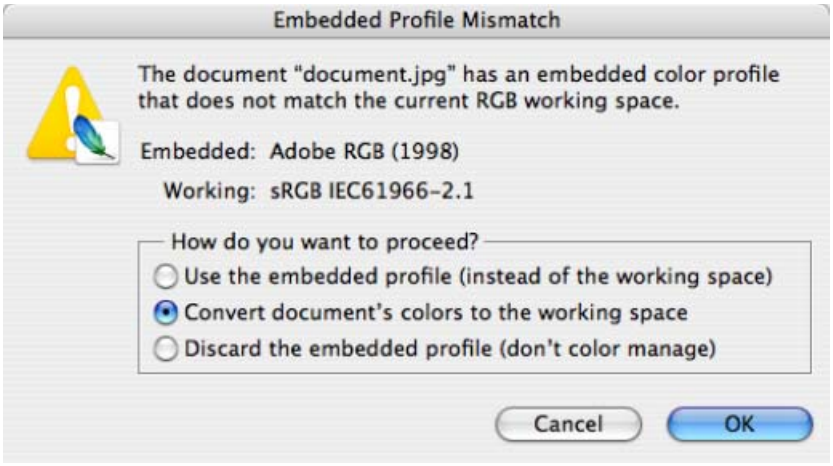
1. First recommendations:
   - See the Media type functionality & features and choose the most appropriate media.
   - It is essential to have the media type correctly calibrated with the printer and print mode, consult the Calibrate my printer document.
   - In order to get a correct display, it's also essential to have the monitor profiled, consult the Profile my monitor document.
2. Open the EFI Designer Edition RIP.
3. EFI Designer Edition RIP settings, **Preferences**:
   - **Color**:
     - Check the **Active Color Management** checkbox.
     - **Paper name:** Select the paper type that is loaded on the printer (always calibrated) and "Best" print quality.
     - **Print resolution**: 600 x 600.
     - **Color output mode**: Photo print.
     - You don't need to worry about the profiles and rendering intent because you will select **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.

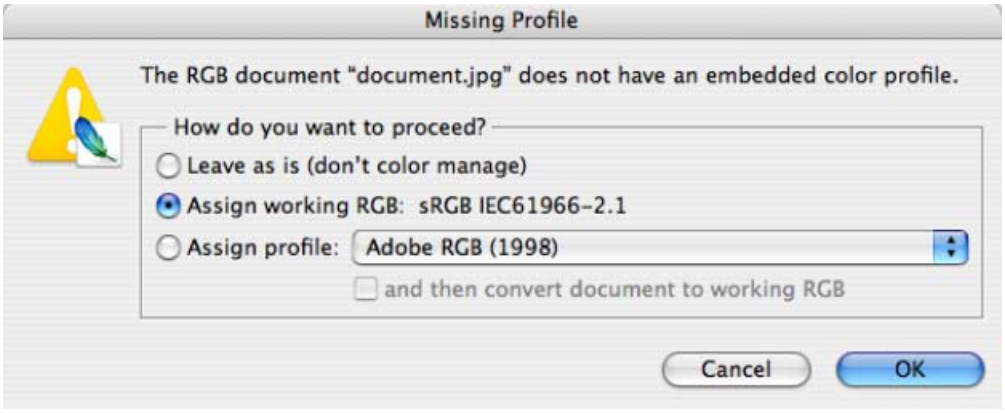


   - Click **OK.**

4. Open Adobe Photoshop CS.
5. Configure the **Color Settings, Edit menu > Color Settings...**:
   - Make sure the **Advanced Mode** check box is ticked.
   - **Working Space > RGB**: sRGB IEC61966-2.1.
   - **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**: Convert to working space.
   - **Profile Mismatches**: check **Ask When Opening** and **Ask When Pasting**.
   - **Missing Profiles:** check **Ask When Opening.**
   - **Conversion Options > Intent**: Perceptual (for RGB images), Relative Colorimetric (for CMYK images).

   - Click **OK**.
6. Open the image, **File menu> Open**...:
   - If the document has an embedded color profile that does not match the current working space, select **Convert document's colors to the working space**. Otherwise, select **Assign working space**.

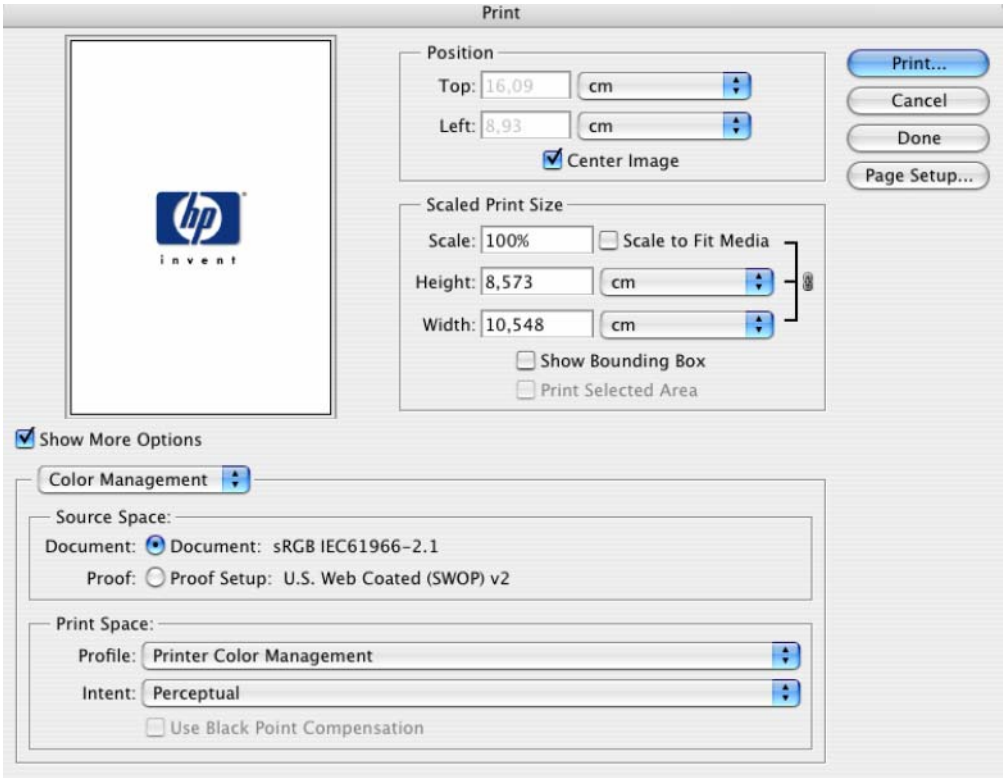




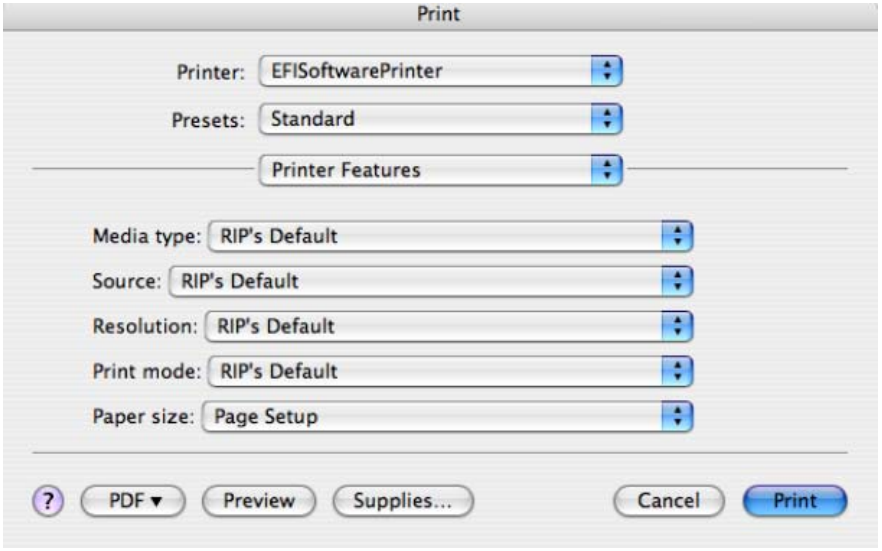
- Click **OK**.

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

- **Page Setup...**:
    - **Format for...**: Select the printer (ex. EFISoftwarePrinter).
    - **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), Relative Colorimetric (for CMYK images).



8. Print, **Print...**:
   - **Printer:** Select the printer (ex. EFISoftwarePrinter).
   - **Printer Features** (Mac OS X v10.3):
     - **Paper Size:** Page Setup.
     - Select **RIP's Default** on the others settings.



   - Click **Print**.

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www.hp.com/go/designjet

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