Proof the output on the monitor
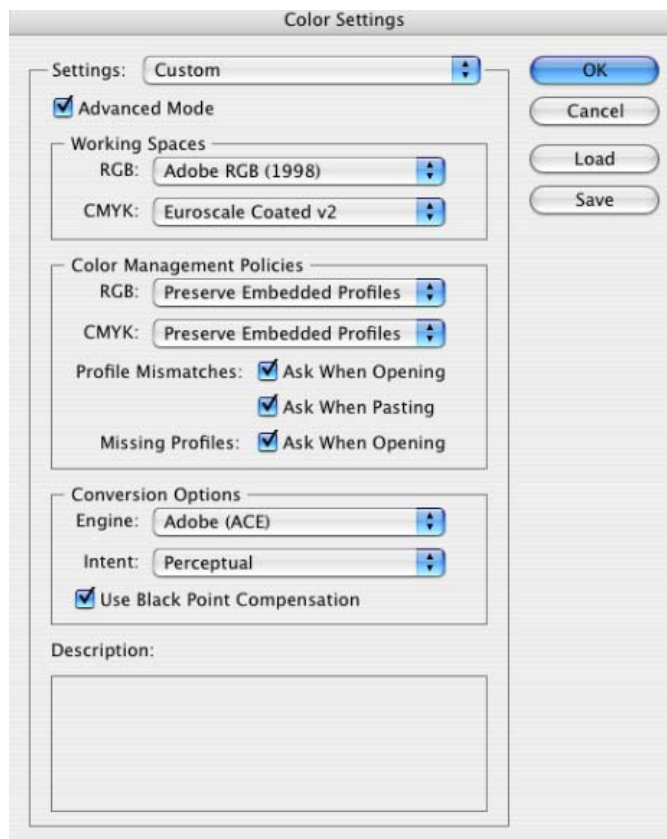
Application: Adobe Illustrator CS
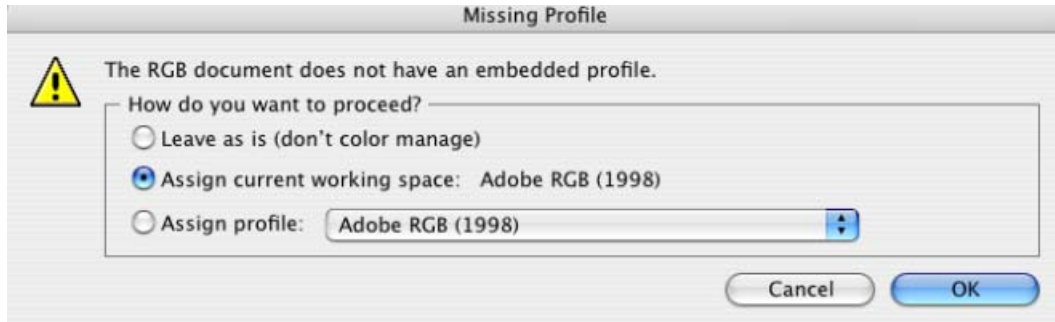*Printer:* HP Designjet 30/90/130 series
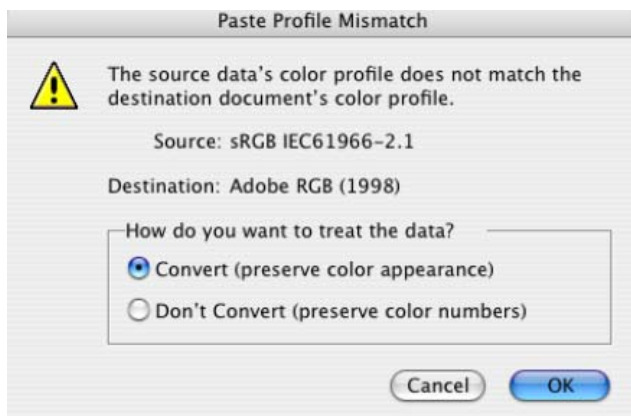*Software*: HP Driver
Operating System: Mac OS X

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 section.

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

2. Open Adobe Illustrator CS.

3. Configure the **Color Settings, Edit 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**.
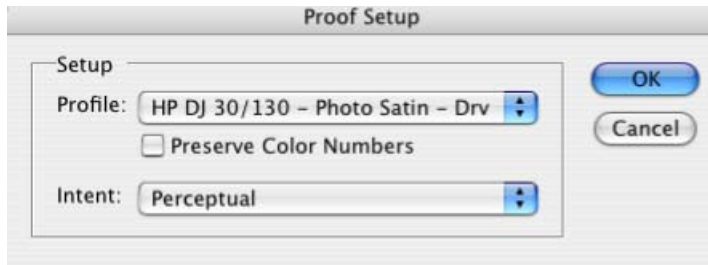
Embedded Profile Mismatch

The document's embedded color profile does not match the current RGB working space.

Embedded: sRGB IEC61966-2.1

Working: Adobe RGB (1998)

How do you want to proceed?

◉ Use the embedded profile (instead of the working space)

○ Convert the document's colors to the current working space

○ Discard the embedded profile (don't color manage)

[Cancel] [OK]

Missing Profile

The RGB document does not have an embedded profile.

How do you want to proceed?

○ Leave as is (don't color manage)

◉ Assign current working space: Adobe RGB (1998)

○ Assign profile: [Adobe RGB (1998)]

[Cancel] [OK]

- Click **OK.**

5. If you place an image, you can embed the image in the document. If it has an embedded profile, it will be converted from the embedded color profile to the document color profile preserving the color appearance. If it doesn't have an embedded color profile, Illustrator will assign the document color profile.

  - **File menu > Place…**: browse the image and uncheck the **Link** checkbox. If you are ask **How do you want to treat the data?** Select **Convert**.

Paste Profile Mismatch

The source data's color profile does not match the destination document's color profile.

Source: sRGB IEC61966-2.1

Destination: Adobe RGB (1998)

How do you want to treat the data?

◉ Convert (preserve color appearance)

○ Don't Convert (preserve color numbers)

[Cancel] [OK]

- Click **OK**.

6. Make sure you have configured the **Document Setup** appropriately for your document, **File menu > Document Setup…**.

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

  - **Profile:** Select the profile of the output device you want to proof; the printer profile generally depends on the printer model and the media type. If you are going to print using the HP Driver, you will find the driver profiles on the list.
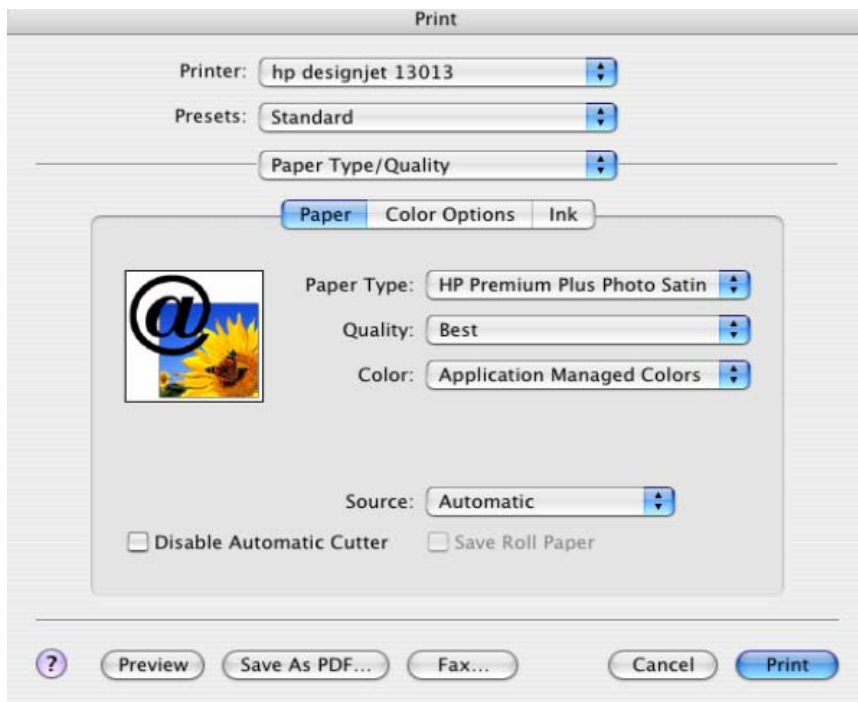
- **Intent:** Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

- 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.
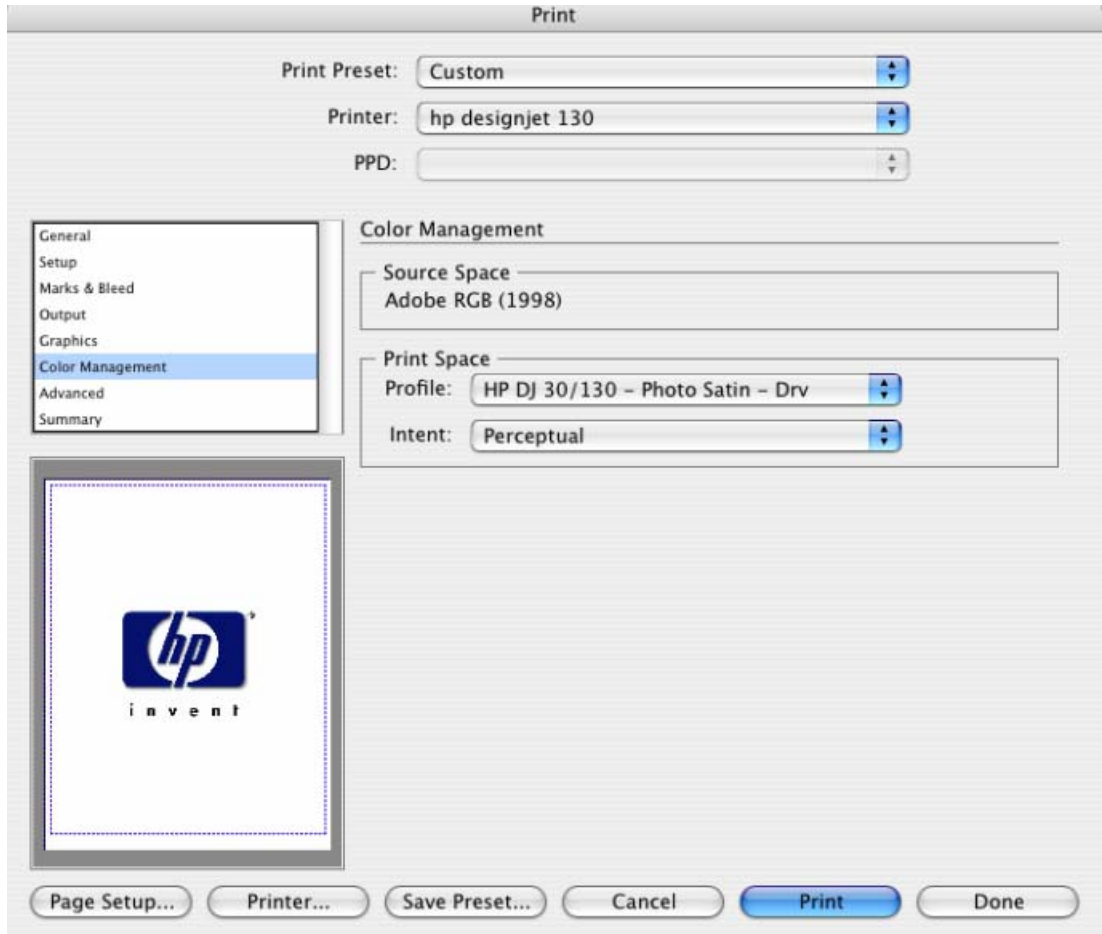
6. Driver Settings, **File menu > Print…**:

- **Printer:** Select the printer (ex. hp designjet 130).

- **Page Setup…:**

  o **Format for:** Select the printer.

  o **Paper Size**: Select the paper size of the media loaded on the printer.

  o **Orientation:** Select the orientation of your image on the paper.

  o Click **OK**.

- **Printer…** button:

  o **Paper Type/Quality > Paper tab**:

    - **Paper Type:** Select the media type that is loaded on the printer.

    - **Quality:** Best.

    - **Color:** Application Managed Colors.

- Click **Print**.

8. Adobe Illustrator **Print...** settings:

- **General** (left hand menu):
    - ○ **Media > Size:** Defined by Driver.
    - ○ **Options:** Select the scaling option you need.

- **Color Management** (left hand menu):
    - ○ **Print Space > Profile**: Select the profile of the printer and media type you will use to print, it should be the same as selected in the **Proof Setup** dialog box.
    - ○ **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.

- Click **Print.**

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