

Printing a "match to screen"

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



- 1. First recommendations:
  - See the <u>Media type functionality & features</u> and choose the most appropriate media.
  - It is essential to have the media type correctly calibrated with the printer and print mode, consult the <u>Calibrate my printer</u> section.
  - In order to get a correct display, it's also essential to have the monitor profiled, consult the <u>Profile my monitor</u> section.
- 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 **PostScript 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.

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General	Color	Layout	Output	Nesting	Printer	Spot Colors	Paper profiles	
	Activate Color Manag aper settings	ement						
	Paper name:	HP Premium	n Plus Photo Pa	per Glossy (HP	DYE, Best)			
	Print resolution:	600 x 600 🔹 dpī						
	Color mode:	CMYKcm		•				
c	olor settings							
-	Color output mode: Photo print							
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	Use embedded profiles Solid black: 0.0%							
R	eset settings ) (	Save Prefs	E) (Load P	Prefs	Can	icel )	ок	

Click OK

4. Open Adobe Illustrator 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) or Relative Colorimetric (for CMYK images).

	Color Settings		
Settings:	Custom 🛟 –		ОК
🗹 Advanc	ed Mode	C	Cancel
- Working	Spaces		
RGB:	sRGB IEC61966-2.1	C	Load
CMYK:	Euroscale Coated v2	E	Save
Color Ma	anagement Policies		
RGB:	Convert to Working Space 🛟		
CMYK:	Convert to Working Space		
	Mismatches: 🗹 Ask When Opening Ask When Pasting Ing Profiles: 🗹 Ask When Opening		
- Convers	ion Options		
Engine:	Adobe (ACE)		
Intent:	Relative Colorimetric		
🗹 Use I	Black Point Compensation		
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documents.	erves embedded color profiles in newly opened For colors imported to RGB, color appearance overrides es. For colors imported to CMYK, numeric values		

- 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 current working space**. Otherwise, select **Assign current working space**.

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         Nissing Profile         Missing Profile         How do you want to proceed?         Leave as is (don't color manage)         Assign current working space: Adobe RGB (1998)         Assign profile	Embedded Profile Mismatch
Working: Adobe RGB (1998) How do you want to proceed? Ouse 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 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)	
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Assign profile: Adobe RGB (1998)	
	O Leave as is (don't color manage)
	<ul> <li>Leave as is (don't color manage)</li> <li>Assign current working space: Adobe RGB (1998)</li> </ul>

• Click **OK**.

- 7. 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 asked 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?	1
<ul> <li>Convert (preserve color appearance)</li> </ul>	
O Don't Convert (preserve color numbers)	
Cancel OK	)

- Click OK.
- 8. Make sure you have configured the **Document Setup** appropriately for your document, **File menu > Document Setup...**.
- 9. Driver Settings, File menu > Print...:
  - **Printer:** Select the printer (ex. EFI Designer Edition).
  - Page Setup...:

- Format for: Select the printer.
- **Paper Size**: Select the paper size of the media loaded on the printer.
- **Orientation:** Select the orientation of your image on the paper.
- o Click **OK**.
- **Printer...** button:
  - **Printer Features** (Mac OS X v10.3):
    - Paper Size: Setup.
    - Select **RIP's Default** on the others settings.

Printer:	EFISoftwarePrinter	•
Printer.	EFISOftwarePfinter	•
Presets:	Standard	•
(	Printer Features	•
Media type: RIP's	Default	•
Source: RIP's Def	ault	•
Resolution: RIP's	Default	•
Print mode: RIP's	Default	•
Paper size: Setur	)	:

• Click **Print**.

10. Adobe Illustrator **Print...** settings:

- General (left hand menu):
  - **Media > Size:** Defined by Driver.
  - **Options:** Select the scaling option you need.
- **Output** (left hand menu):
  - o Mode: Composite.
- Color Management (left hand menu):
  - **Print Space > Profile**: PostScript Color Management
- **Print Space > Intent**: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

		Print		
Print Preset	: Cus	tom	;	
Printer	EFIS	SoftwarePrinter	•	
PPD	: Def	ault (EFI Software Printer)	•	
Setup Marks & Bleed Output Graphics Color Management	ource S	261966-2.1	•	
invent.		Perceptual		
Page Setup) Printer	Save P	reset) Cancel Pri	nt Dor	e

• Click **Print.** 

## For more information on HP Designjet products

www.hp.com/go/designjet

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