

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> Windows



- 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 calibrated, consult the <u>Calibrate 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.

Preferences								X
General Col	or Layout	Output	Nesting	Printer	Spot Colors	Paper profiles		
Activate   Paper settir	Activate Color Management							
Paper na	ime:	HP Premium Plu	us Photo and F	Proofing Glos	s Paper (HP D	YE, Best) 📃 💌		
Print reso	olution:	600 x 600		•	dpi			
Color mode:		CMYKcm		•				
- Color settin	gs							
Color ou	tput mode:	Photo print		•				
RGB:	AdobeRGB199	8.icc	•	Percep	tual		•	
CMYK:	Best_SWOP_Ref_Presssheet_2003.icc 💌 Relative colorimetric (no paper white) 💌							
Gray:	ISOnewspaper26v4_gr.icc   Perceptual							
Add profile Delete profile								
Print RGB in grayscales  RGB in								
Use embedded profiles Solid black: 0.0%								
Reset settings	Save Prefs	Load Prefs				Cancel	0	К
Reset settings	Save Prefs	Load Prefs				Cancel		ĸ

- 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	olor Settings				
c					
Settings:	Custom	ОК			
Advanced	d Mode	Cancel			
- Working	Working Spaces				
<u>R</u> GB:	sRGB IEC61966-2.1	Load			
<u>C</u> MYK:	Euroscale Coated v2	<u>Save</u>			
- Color Ma	nagement Policies				
RG <u>B</u> :	Convert to Working Space 💌				
C <u>M</u> YK:	Convert to Working Space 🛛 😪				
Profile M	lismatches: 🗹 Ask When Opening				
	Ask When Pasting				
Missi	ng Profiles: 🗹 Ask When Opening				
- Conversi	on Options				
E <u>ng</u> ine:					
<u>I</u> ntent:					
<b>⊡</b> Use B	lack Point Compensation				
Description:					
notified whe	ed, and the corresponding policy is not off, you will be enever you open an existing document without an				
embedded p	rofile, and given the option to assign a color profile.				

- 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**.

Embed	ded Profile Misma	tch 🔀	
<u>.</u>		ment.tif" has an embedded color profile that urrent RGB working space.	
	Embedded: Adobe R	IGB (1998)	
	Working: sRGB IEC	C61966-2.1	
	- How do you wan	t to proceed?	
		led profile (instead of the working space)	
	-	ent's colors to the working space	
		hedded protile (dop't color manade)	
	ODiscard the emb		
	ODiscard the emb	OK Cancel	
Missing	O Discard the emb		(
Missing	Profile		r profile.
Missing	Profile	OK Cancel	r profile.
Missing	<mark>; Profile</mark> The RGB document <sup>4</sup>	OK Cancel "document.tif" does not have an embedded colo nt to proceed?	r profile.
Missing	Profile The RGB document <sup>4</sup> How do you wan O Leave as is (dor	OK Cancel "document.tif" does not have an embedded colo nt to proceed?	r profile.
Missing	Profile The RGB document <sup>4</sup> How do you wan O Leave as is (dor	OK     Cancel       "document.tif" does not have an embedded color       nt to proceed?       n't color manage)	r profile.

- Click OK.
- 7. If you place an image, you should 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?		
	⊙ <u>C</u> onvert (preserve color appearance).		
O <u>D</u> on't Convert (preserve color numbers).			
	Cancel OK		

- Click **OK**.
- 8. Make sure to have configured the **Document Setup** appropriately for your document, **File menu > Document Setup...**.

- 9. Printer settings, File menu > Print... > Setup... button:
  - Select Printer...: Select the printer (ex. EFI Designer Edition).
  - Preferences:
    - Layout tab:
      - **Orientation:** Select the orientation of your document on the paper.
    - Advanced...:
      - **Paper/Output > Paper Size:** Select the paper size of the media loaded on the printer.
      - Document Options > Printer Features:
        - Paper Size: Page Setup
        - Select **RIP's Default** on the others settings.

EFI Designer Edition Advanced Options			
FI Designer Edition Advanced Document Settings			
Paper/Output			
Paper Size: A3 plus B plus			
🚊 🖬 Graphic			
Print Quality: <u>RIP's Default</u>			
😑 🧿 Image Color Management			
ICM Method: ICM Disabled			
ICM Intent: Pictures			
Scaling: <u>100 %</u>			
TrueType Font: Substitute with Device Font			
Document Options			
🖬 🐖 PostScript Options			
🖨 💏 Printer Features			
Media type: <u>RIP's Default</u>			
Source: <u>RIP's Default</u>			
Print mode: <u>RIP's Default</u>			
Paper size: Page Setup			
OK Cancel			

• Click **OK** until the Illustrator **Print** dialog box.

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 Pre Prin	
-	PD: Default (EFI Software Printer)
General Setup Marks & Bleed Output Graphics Color Management Advanced Summary	Color Management Source Space sRGB IEC6 1966-2.1 Print Space Profile: PostScript® Color Management
	Profile: PostScript® Color Management  Intent: Perceptual
invent.	
Save Preset Setup	Print Cancel Done

• Click **Print.** 

## For more information on HP Designjet products

www.hp.com/go/designjet

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