HP LF Printing Knowledge Center



Printing a "match to screen"

<u>Application:</u> Adobe Photoshop 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> document.
 - In order to get a correct display, it's also essential to have the monitor profiled, consult the <u>Profile my monitor</u> 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.

000			Prefer	ences			
000							1
General	Color	Layout	Output	Nesting	Printer	Spot Colors	Paper profiles
۹ 🗹	Activate Color Manag	jement					
Pa	aper settings						
F	Paper name:	HP Premium	Plus Photo Pa	per Glossy (HP	DYE, Best)		•
F	Print resolution:	600 x 600		😫 dpi			
	Color mode:	CMYKcm		•			
Co	olor settings						
(Color output mode:	Photo print		•			
		• EFI profiles		O ColorSyr	nc		
F	RGB: AdobeR	GB1998.icc		Perceptu	al	3	
(CMYK: Best_SW	OP_Ref_Presss	heet_2003.i	* Relative	colorimetric (n	o paper whit	Ð
(Gray: ISOnews	paper26v4_gr	.icc	Relative	colorimetric (n	o paper whit 📑	
	Add	profile	Delete pr	ofile			
	Print RGB in gray	scales		🗹 Bla	ck Point Comp	ensation	
0	🗹 Use embedded p	rofiles		Sol	id black:	0.0%	

• 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).

Color Settings	
Settings: Custom	
Advanced Mode	UK
Working Spaces	Cancel
RGB: sRGB IEC61966-2.1	(· · ·)
CMYK: U.S. Web Coated (SWOP) v2	Load
Gray: Dot Gain 30%	Save
Spot: Dot Gain 30%	Preview
Color Management Policies	
RGB: Convert to Working RGB	
CMYK: Convert to Working CMYK	
Gray: Convert to Working Gray	
Profile Mismatches: Ask When Opening Ask When Pasting	
Missing Profiles: 🗹 Ask When Opening	
Conversion Options	
Engine: Adobe (ACE)	
Intent: Perceptual	
Use Black Point Compensation Use Dither (8-bit/channel images)	
Advanced Controls	
Desaturate Monitor Colors By: 20 %	
Blend RGB Colors Using Gamma: 1,00	
- Description	

- 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**.

	The document "document.jpg" has an embedded color profile that does not match the current RGB working space.
Ì	Embedded: Adobe RGB (1998)
	Working: sRGB IEC61966-2.1
	O Use the embedded profile (instead of the working space)
	Convert document's colors to the working space
	O Discard the embedded profile (don't color manage)

	Missing Profile	
1	The RGB document "document.jpg" does not have an embedded color profile.	
	How do you want to proceed?	1
-	Leave as is (don't color manage)	
	Assign working RGB: sRGB IEC61966-2.1	
	Assign profile: Adobe RGB (1998)	
	and then convert document to working RGB	
	(Cancel) (OV	
	Cancer	/

- 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.
 - o Click **OK**.
 - Set the **Position** and the **Scaled Print Size** you need.
 - Check Show More Options.
 - Select the Color Management tab:
 - o Source Space: Document.
 - **Print Space > Profile**: Printer Color Management.
 - Print Space > Intent: Perceptual (for RGB images), Relative Colorimetric (for CMYK images).

	Print	
	Position	Print
	Top: 16,09 cm 🗘	Cancel
	Left: 8,93 cm 🗘	Done
	Center Image	Page Setu
10	- Scaled Print Size	(ruge setu
42	Scale: 100% Scale to Fit Media	
invent	Height: 8,573 cm 🗧 🖁	
	Width: 10,548 cm	
	Show Bounding Box	
	Print Selected Area	
Show More Options		
Color Management		
- Source Space:		
Document: 💿 Document: sR	RGB IEC61966-2.1	
Proof: O Proof Setup: 1	U.S. Web Coated (SWOP) v2	
Print Space:		
Print Space: Profile: Printer Color Ma	inagement ;	
Print Space: Profile: Printer Color Ma Intent: Perceptual	inagement 🔹	

- 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.

	Print	
Printer:	EFISoftwarePrinter	;
Presets:	Standard	;
	Printer Features	
Media type: RIP's	s Default	•
Source: RIP's De	fault	•
Resolution: RIP's	Default	•
Resolution: RIP's	s Default s Default	

• Click **Print**.

For more information on HP Designjet products

www.hp.com/go/designjet

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