

Printing a "match to screen"

<u>Application:</u> Adobe Photoshop CS <u>Printer:</u> HP Designjet 30/130 series <u>Software</u>: HP Software RIP <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> document.
  - In order to get a correct display, it's also essential to have the monitor calibrated, consult the <u>Profile my monitor</u> document.
- 2. Open Adobe Photoshop CS.
- 3. 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	X			
Settings: Custom	ОК			
<u>A</u> dvanced Mode Working Spaces	Reset			
RGB: sRGB IEC61966-2.1				
CMYK: U.S. Web Coated (SWOP) v2	Load			
Gray: Dot Gain 15%	<u>Save</u>			
Spot: Dot Gain 15%	Droulou			
Color Management Policies				
RGB: Convert to Working RGB				
CMYK: Convert to Working CMYK				
Gray: Convert to Working Grav 💙				
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				

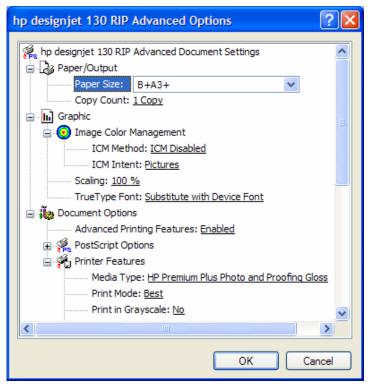
• Click OK.

- 4. 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**.

Embedd	ed Profile Mismat	ch	
		nent.tif" has an embedded color profile t Irrent RGB working space.	hat
E	Embedded: Adobe R	GB (1998)	
	Working: sRGB IEC	61966-2.1	
3	— How do you want	to proceed?	
	OUse the embedde	ed profile (instead of the working space)	
	Onvert docume	nt's colors to the working space	
	ODiscard the emb	edded profile (don't color manage)	
		OK Cance	
Missing	Profile		
The RGB document "document.tif" does not have an embedded color profile.			
- How do you want to proceed?			
	O Leave as is (don't color manage)		
	Assign working	RGB: sRGB IEC61966-2.1	
	O Assign profile:	Adobe RGB (1998)	~
		and then convert document to worki	ng RGB
			Cancel

- Click **OK**.
- 5. Adobe Photoshop **Print with Preview...** settings, **File menu > Print with Preview...**:
  - Page Setup:
    - **Printer...**: Select the printer (ex. HP designjet 130 RIP) and click **OK**.
    - **Paper Size**: Select the paper size of the media loaded on the printer.
    - **Orientation:** Select how to orient you 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:
    - Source Space: Document.
    - **Print Space > Profile**: Printer Color Management.

- 6. RIP settings, Print... > Properties > Advanced...:
  - Document Options > Printer Features:
    - Select the **Media Type** that is loaded on the printer (always calibrated).
    - **Print Mode**: Best (always calibrated).
    - You don't need to worry about the RIP color settings (Perform Color Correction, CMYK and RGB Input Profiles and Color rendering intent) because you have selected **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** until print.

## For more information on HP Designjet products

www.hp.com/go/designjet

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