

Printing a drawing with correct size and position

<u>Application:</u> Adobe Photoshop CS3 <u>Printer:</u> HP Designjet T1100 series <u>Software</u>: HP-GL/2 Driver <u>Operating System:</u> Windows



- 1. First recommendations:
 - Refer to the <u>Media type functionality & features</u> and choose the most appropriate media.
 - Ensure that the Paper Type setting on the front panel corresponds to the paper you intend to use. It is essential that the paper is correctly color calibrated for the printer; refer to <u>Calibrate</u> <u>my printer</u> document.
- 2. Open Adobe Photoshop CS3.
- 3. Configure the Color Settings, Edit menu > Color Settings...:
 - Make sure the setting **More Options** is displayed.
 - **Working Spaces > RGB**: Select the profile of the scanner or other device you have used to get the drawing (source profile), if you don't have it, select sRGB IEC61966-2.1.
 - Working Spaces > CMYK: Coated FOGRA27 (for Europe), U.S. Web Coated (SWOP) v2 (for US) and Japan Color 2001 Coated (for Japan).
 - Color Management Policies: Preserve Embedded Profiles.
 - Profile Mismatches: Check Ask When Opening and Ask When Pasting.
 - Missing Profiles: Check Ask When Opening.
 - Conversion Options > Intent: Perceptual.

Color Settings	\mathbf{X}
For more information on color settings, search for "setting up color management" in Help. This term is searchable from any Creative Suite application.	OK Reset
Settings: Custom	
Working Spaces	
RGB: sRGB IEC61966-2.1	. <u>S</u> ave
⊆MYK: U.S. Web Coated (SWOP) v2	Fewer Options
Gray: Dot Gain 20%	Proview
Sgot: Dot Gain 20%	r inc <u>w</u> em
Color Management Policies	
RGB: Preserve Embedded Profiles 🛛 👻	
CMYK: Preserve Embedded Profiles	
Gray: Preserve Embedded Profiles 🗸	
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 <u>D</u> ither (8-bit/channel images)	
Advanced Controls	
Desaturate Monitor Colors By: 20 %	
Blend RGB Colors Using Gamma: 1,00	
Description	

• Select **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**; in this case, if the displayed image does not look correct, try assigning it to other color spaces with **Edit > Assign Profile** (try **sRGB**, **Adobe RGB**, **ColorMatch RGB** and others) until you are satisfied.

Embed	ded Profile Mismatch	×
The document "hp.psd" has an embedded color profile that does not match the current RGB working space.		
	Embedded: Adobe RGB (1998)	
	Working: sRGB IEC61966-2.1	
 What would you like to do? Use the embedded profile (instead of the working space) Convert document's colors to the working space Discard the embedded profile (don't color manage) 		,
	OK Cancel	

 The document "hp.psd" does not have an embedded RGB profile. What would you like to do? Leave as is (don't color manage) Assign working RGB: sRGB IEC61966-2.1 Assign profile: sRGB IEC61966-2.1 	
What would you like to do? O Leave as is (don't color manage) Assign working RGB: sRGB IEC61966-2.1 Assign profile: sRGB IEC61966-2.1	
 Leave as is (don't color manage) Assign working RGB: sRGB IEC61966-2.1 Assign profile: sRGB IEC61966-2.1 	T
Assign working RGB: sRGB IEC61966-2.1 Assign profile: sRGB IEC61966-2.1	
O Assign profile: sRGB IEC61966-2.1	
and then convert document to working RGB	
	_
Cancel	

• Select OK.

- 5. Adobe Photoshop **Print...** settings; **File menu > Print...**:
 - **Printer**: Select your printer device.
 - Set the **Position** and the **Scaled Print Size** you need.
 - Make sure the **More Options** are displayed.
 - Select the **Color Management** tab:
 - **Print**: Document.
 - **Options > Color Handling**: Printer Manages Colors.

Print	
Printer: HP Designjet T1100 Copies: 1 Page Setup Position Copies: 1 Page Setup Position Copies: 1 Page Setup Scaled Print Size Scale to Fit Media Scale: 111.8% Height: 3.944 Width: 6.972 Unit: inches	Color Management Print • Document (Profile: Adobe RGB (1998)) • Proof (Profile: N/A) Options Color Handling: Printer Manages Colors • Did you enable color management in the printer dialog? Printer Profile: Working RGB - sRGB IEC61966-2.1 Rendering Intent: Perceptual • Black Point Compensation Prgof Setup: Working CMYK Simulate Paper Color Simulate Black Ink.
Print Resolution: 64 PPI	

- 6. Driver Settings; Click **Print One...**:
 - Paper/Quality tab:
 - **Paper Options > Document size**: Select the paper size of the media loaded on the printer. Select the **Custom...** button if you want to create a custom page size.
 - **Paper Options > Paper Source**: Select the source of the paper, Roll or Sheet.
 - Paper Options > Paper Type: Select the paper type that is loaded on the printer.
 - **Orientation**: Select the orientation of your image on the paper.
 - **Print Quality**: Select Standard options and drag the slider to Quality.

HP Designjet T1100 24in HPGL2 Document Prop	perties 🤶 🏹
Advanced Printing Shortcuts Paper/Quality Features Co	lor Services
Paper Options Document size: 210 × 297 mm A4 ✓ Margins/Layout Custom Currently loaded paper:	×
Manual Feed: Unloaded Roll: Matte Film, 24 inches Pap <u>e</u> r Source:	Printed on: 210 × 297 mm
Roll Paper Type:	Print Quality Standard options
Plain paper	Speed Quality
Orientation Portrajt Landsca <u>p</u> e	○ C <u>u</u> stom options
(b)	C Help
	OK Cancel

- Features tab:
 - Resizing Options: Select the scale option you want, select Print document on and the paper size on which the document will be scaled, or, the % of actual size. Make sure that the document size is not bigger than the paper size you have on the printer.
 - **Roll Options**: Check **Autorotate** checkbox.
 - Check Show preview before printing.

HP Designjet T1100 24in HPGL2 Document Pr	operties ? 🔀
Advanced Printing Shortcuts Paper/Quality Features C	Color Services
Resizing Options Actual size No of actual size: 100	Sciences Printed on: 210 × 297 mm Show preview before printing Roll Options Disable automatic cutter Remove top/bottom blank areas Crop lines Rotate by 90 degrees
	Accounting Account id:
	OK Cancel

- Color tab:
 - Select **Print in color**.
 - Select Color Management > Printer managed colors > sRGB.

HP Designjet T1100 24in HPGL2 Document Proper	ties ?
dvanced Printing Shortcuts Paper/Quality Features Color	Services
Color Options Print in color Print in Grayscale Print in pure black and white Color Management: Application Managed Colors Printer managed colors Source profile: SRGB	 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
	OK Cancel

- Select OK.
- Preview your banner before printing; check, also, the print settings and the layout of the image (HP Print Preview windows is displayed automatically). Select the Continue button to proceed with printing or Cancel to cancel the job.

For more information on HP Designjet products

www.hp.com/go/designjet

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