Color Management

(getting things to print with the right colors)

Color Management is the process of assigning and/or using a Photometric Color Profile (ICC Profile) for a given physical device (a printer, scanner, camera, monitor) when working with a color image. Every physical device will generate or interpret colors a little bit differently, depending on its inks and paper (in the case of a printer), glass, light, and lens (scanner or camera), or LED, LCD, or Trinitron screen characteristics (computer monitor).

If you don’t control the color at all, what you get when you print won’t match what you see on screen or what you scanned with a scanner. Colors will be off. New colors may be present. The image might be darker or lighter than you expect. In general you won’t be satisfied with the results. Further, for the same image on screen, different printers and/or papers will produce wildly different results.

If you want consistency of color from screen to print, you need to use Color Management.

Using color management simply means using profiles that identify the color space of a given printer or scanner, and correcting (or shifting) the colors sent to the printer based upon that profile. In the simplest case, you assign a color profile when you print.
**UVA School of Architecture color printers, papers, and profiles reference:**

*(all icc profiles and instructions can be found in Projects/Resources/Printing/color management/icc profiles/)*

<table>
<thead>
<tr>
<th>Print Queue</th>
<th>Printer type</th>
<th>Paper</th>
<th>printer profile(s)</th>
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</thead>
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<tr>
<td>1fl-color</td>
<td>HP Color LaserJet M750</td>
<td></td>
<td>HP CLJ M750 RGB Profile;</td>
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<tr>
<td>3fl-color</td>
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<td>HP CLJ M750 CMYK Profile;</td>
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<td>4fl-color</td>
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<tr>
<td>PlotA</td>
<td>HP DesignJet Z6200PS 42&quot;</td>
<td>HP Heavyweight Coated 42&quot;</td>
<td>HP Designjet Z6200,</td>
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<tr>
<td>PlotB</td>
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<td>PlotC</td>
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<td>PlotD</td>
<td>HP DesignJet Z6200PS 42&quot;</td>
<td>HP Photo Satin 42&quot;</td>
<td>HP Designjet Z6200, Photo Gloss/Semi-Gloss/Satin Paper</td>
</tr>
</tbody>
</table>
PRINTING with COLOR MANAGEMENT OPTIONS [MACINTOSH]

These are the basic color management tools to use when printing.

Photoshop

1. Once you open the print menu, select Color Management on the right hand side. Make sure document is selected. Go to Color Handling. Select Photoshop Manages Color. You can then choose a printer profile available from the program.

[Optional]
If you would like to embed a color profile into the image for later use:

When opening a new document in Photoshop, select the desired color mode. Open the Advanced option and select a color profile. If you do not see one that applies to you, select a default Photoshop profile.
**InDesign & Illustrator**

InDesign and Illustrator have the same print screen options.

1. The print menu controls are down the left hand side. Select **Color Management**.

2. In **Color Handling**, ‘Let Illustrator (or InDesign) determine colors’.

3. From there, you can select which printer profile you want to use.
Acrobat

Acrobat also has color profile options. You must be in Acrobat Pro, not Acrobat Reader.

1. From the File menu, select **Print**. In the main print screen, select **Advanced** from the bottom left corner.

2. Select **Color Management** from the left side menu.
3. Select **Acrobat Color Management** from the **Color Handling** options.
4. Choose the appropriate **Color Profile**.
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1. The print menu controls are down the left hand side. Select **Color Management**.

2. **In Color Handling**, ‘Let Illustrator (or InDesign) determine colors’. Select **Color Handling** and choose **Printer Profile**.

Select color handling and the printer profile here to control image results.
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