**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 are automatically installed with the A-School Network Setup Installers for student laptops. They can also be downloaded separately on the website, or found in Olmsted/Projects/Utils/icc profiles/)*

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<tr>
<th>Print Queue Name</th>
<th>Printer type</th>
<th>Paper</th>
<th>printer profile(s)</th>
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<td>HP Color LaserJet 5500 PS</td>
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<td>hp color LaserJet CMYK v402; HP ColorLJ5M PS CMY Default</td>
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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**.
PRINTING with COLOR MANAGEMENT OPTIONS [WINDOWS]

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'. Select **Color Handling** and choose **Printer Profile** here to control image results.
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.