Activity 12: Use a color setup to refine RGB files to an industry specification

Background

If you have RGB images or graphics that you want to print using a standard printing method, you must convert the images and graphics to a CMYK color space. Converting RGB to an industry standard CMYK ensures greater consistency and predictability in print, and may be required to meet a customer's print specifications.

Tasks

Goal

Add an RGB color input to the **GRACoL C1 2006** color setup you created in a previous activity, and then define the custom RGB reference using a sample data file from your ColorFlow installation folder.

Task 1: Set up an RGB Reference device as the color input

1. In ColorFlow, in the **Color Setups** list table, select the color setup named **GRACoL C1 2006**.
2. Open the **Device** dialog box by selecting **View** > **Devices** or double-clicking the **color setup viewer**.
3. From the **Devices** dialog box, drag and drop the **RGB Reference** device on top of the PCO.
4. Close the **Device** dialog box.
5. In the **RGB Reference** device condition, click the **Properties** icon .
6. In the **Name** box, enter `XX RGB Reference File (where xx=your initials)`.
7. Click **OK**.
8. Click the **Device condition profile** icon .
9. Click **Import**.
10. Browse and select \ **Program Files\Kodak\ColorFlow\SampleData\Profiles\Adobe ICC Profiles\RGB\AdobeRGB1998.icc**.
11. Click **OK**.

Task 2: Refine a page in Prinergy using the color setup

1. In Prinergy, create a new job, and name it as `XX Refine to RGB (where xx=your initials)` .
2. In the new job, select **Edit** > **Edit Job Attributes** and do the following
    a. From the **Default Snapshot** list, select **Current state**.
    b. From the **Job Color Setup** list, select the **GRACoL C1 2006** color setup.
    c. Click **OK**.
3. Create a new refine process template, and name it as `ColorFlow Refine – GRACoL C1`:
    a. Select the **Color Convert** check box and expand the panel.

    b. In the **Match Colors** area, select **Enable ColorFlow**.

    c. In the **Snapshot** list, select **Current state**.

    d. In the **Color Setup** list, select the **GRACoL C1 2006** color setup.

       In the **Convert to Destination** area, in the **Primary Color Output** list, **GRACoL C1 2006** is automatically selected.

    e. Ensure that under the **Untagged Content** section, the **RGB Images** and **RGB Graphics** check boxes are selected, and all other settings are cleared.

    f. Save the process template.

4. Refine Chart_TintRamp_CMYK.pdf with the new process template.

Outcome

You have added an RGB color input to a color setup to refine a page and converted all RGB images and graphics to an industry standard CMYK color space.