

# Adobe<sup>SM</sup> Customer Services

## Using Separation Tables from Other Applications

Adobe Photoshop 2.5 allows you to use separation tables created in other applications to convert images to CMYK mode. This feature enables you to replicate a separation from other applications that perform color separations, such as ColorStudio™, Cachet™, and ColorAccess™. This document describes how to create separation tables in other applications.

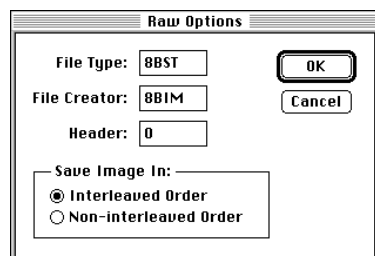
Once you create a table for RGB to CMYK conversions, you may create a table for the CMYK-to-RGB conversions that Photoshop uses to display the CMYK image on the monitor. This will ensure the most accurate on-screen display of separated colors.

### CREATING SEPARATION TABLES IN OTHER APPLICATIONS

The following procedures outline the steps involved in creating a separation table in another application. For detailed information about a specific application, please refer to that application's documentation. The second section in this document provides step-by-step information on creating a table from EFI Cachet™.

#### **To create a table for RGB-to-CMYK conversions in most applications:**

- 1 In Photoshop 2.5, open the Lab.Tif file located in the Calibrate folder.
- 2 Convert the file to RGB mode.
- 3 Save the file as a TIFF file, giving it a descriptive name such as PhotoRGB.Tif.
- 4 In the other application, open the Photoshop RGB file, and convert it to the CMYK mode using the desired separation options.
- 5 Save the file as a TIFF file, giving it a descriptive name such as CachtSwp.Tif.
- 6 In Photoshop 2.5, open the TIFF file, and save the file in the Raw format using the following dialog box settings: Header: 0; Interleaved Order.



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This creates a table that gives Photoshop access to the mode-conversion algorithm used in the other application. To use the table, select Preferences from the File menu and Separation Tables from the submenu; then use the Load button in the Separation Tables dialog box to load the table. When you convert an RGB image to the CMYK mode, Photoshop 2.5 will use the separation algorithm contained in this table.

**To create a table for CMYK-to-RGB conversions in most applications:**

- 1 In the other application, open the CMYK Colors file located in the Photoshop Calibrate folder.
- 2 Convert the file to RGB mode.
- 3 Save the file as a TIFF file, giving it a descriptive name such as CachetRGB.Tif.
- 4 In Photoshop 2.5, open the RGB TIFF file, and convert it to Lab mode.
- 5 Save the file in the Raw format, using the same dialog box settings shown in the previous illustration.

This creates a table you can load through the Separation Setup dialog box, as described in the previous section.

**CREATING SEPARATION TABLES IN EFI CACHET™**

The following procedures describe how to create and use separation tables from EFI Cachet—both to separate RGB documents and to display CMYK documents on your RGB monitor. After creating both tables, use them to create a single, two-directional table, following the instructions in the final section of this document.

**To create an RGB-to-CMYK table in Cachet:**

- 1 In Photoshop 2.5, open the Lab Colors file located in the Calibration folder.
- 2 Convert the file to RGB mode.
- 3 Save the file as a TIFF file, giving it a descriptive name such as PhotoRGB.Tif.
- 4 In Cachet 1.0.1, open the Photoshop RGB file as a file intended for corrections.
- 5 Select Save Separations from the File Menu.
- 6 Select the desired separations options, and save the file with a descriptive name such as CachetSWP.Tif.
- 7 In Photoshop 2.5, open the file you just saved.
- 8 Save the file in the Raw format with the options shown in the Raw Options dialog box in the preceding section of this tech note.

Load the separation table in the Photoshop Separation Tables dialog box using the procedure described in the first section of this tech note.

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**To create a CMYK-to-RGB table in Cachet:**

To ensure that Photoshop accurately displays your custom CMYK separations on an RGB monitor, create a custom CMYK-to-RGB table for use in Photoshop. This gives you the closest possible match between the screen and printed output.

**Note:** You must have Cachet version 1.0.1 to open a CMYK file.

- 1 In Cachet, select **Import** from the **File** menu. Select the Cachet Importer and import for corrections.
- 2 Import the file **CMYK Colors** from the **Adobe Photoshop Calibration** folder using the **TIFF** format.
- 3 In the Cachet Importer Setup window, select a color space profile such as **Swop Coated**.
- 4 Click **Translate** to convert the file to RGB mode.
- 5 Save the file as a TIFF file with a descriptive name such as **CachtRGB.Tif**.
- 6 In Photoshop 2.5, open the TIFF file you just saved.
- 7 Convert the file to **Lab Color** mode.
- 8 Save the file in the **Raw** format with the options shown in the **Raw Options** dialog box in the preceding section of this tech note.

Load the separation table in the Photoshop Separation Tables dialog box using the procedure described in the first section of this tech note.

**CREATING A TWO-DIRECTIONAL SEPARATION TABLE**

Once both tables are loaded in the Separation Tables dialog box, create a single, two-directional separation table that Photoshop can use for both its RGB-to-CMYK conversion and its CMYK-to-RGB conversion. To do this, click the **Save** button in the Separation Tables dialog box. Give the table a name you will easily recognize, such as **Cachet.Ast** or **Colortab.Ast**. Use the **Load** button to load the table.

The new table will be used for all future mode conversions. To quit using the table, select the **Use Separation Setup** and **Use Printing Inks Setup** options in the Separation Tables dialog box.