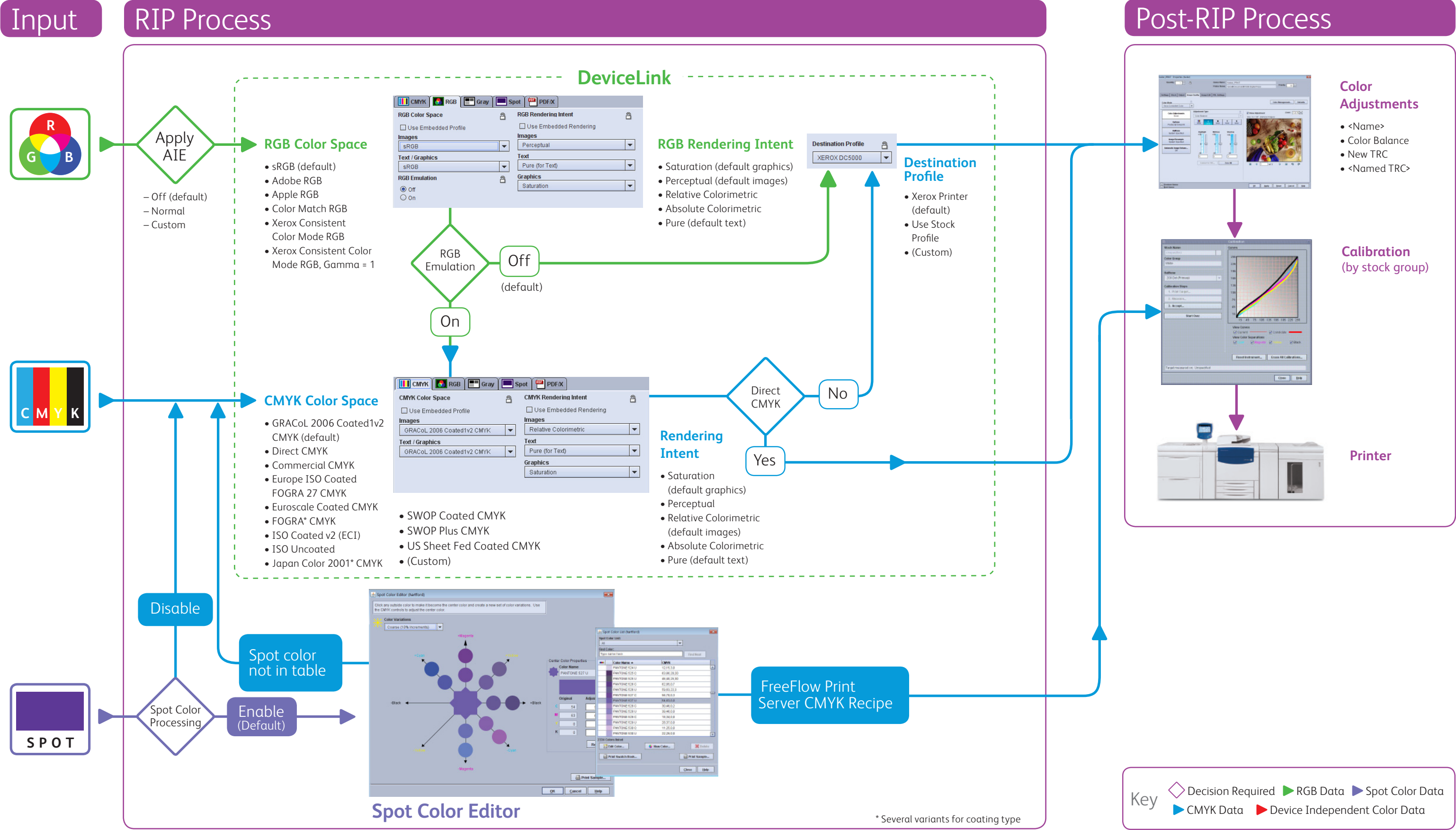
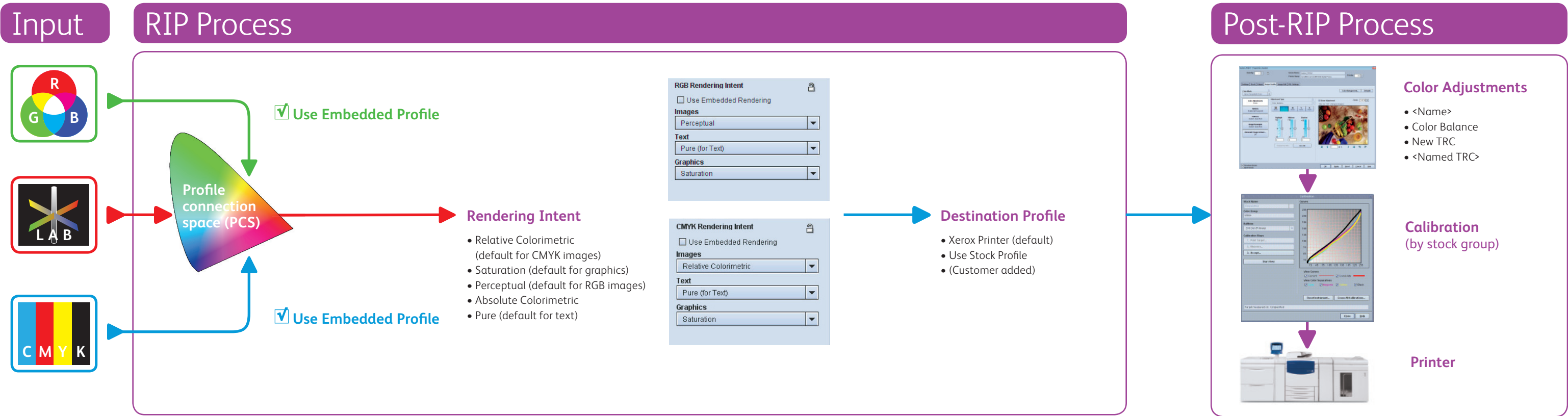


Xerox FreeFlow® Print Server version 7 Color Workflow



Color Workflow Using Embedded Profiles



Maximize Your Color Workflow

RGB Workflow (DeviceLink)

- Default: sRGB**, optimal for office applications and direct photo printing. Adobe RGB is often used by designers working in the Adobe Creative Suite.
- For designers who associate profiles with their photo/images, select "Use Embedded Profile" to honor their design intent.
- RGB Emulation processes RGB objects** through the defined CMYK Color Space. When On, RGB and CMYK output emulates the look of the specified CMYK device or print standard. When Off, RGB renders to the full gamut potential of the printer.

Rendering Intent summary

- Relative Colorimetric is recommended for matching of other workflows and printers.
- Saturation intent is popular for a richer look and darker overall hues.
- Perceptual is recommended for photographic uses, as it provides improved shadow detail while maintaining vibrant hues (CMYK and RGB images).

- Automatic Image Enhancement (AIE)** works best on sRGB images, and adds value to consumer photography applications.
- For RGB black/grays**, use Pure rendering intent to force printing with K only.

CMYK Workflow

- Direct CMYK** uses the full printer gamut with no color management. This can be used to achieve the richest color (especially for text and graphics).
- Direct CMYK** supports a workflow where color management is applied upstream.

- Default: GRACoL (v7)**, provides optimal color balance for traditional CMYK workflows and offset press emulation. Additional common CMYK standards are built-in for regional and shop-specific preferences.
- Load additional CMYK profiles** via the Color Manager to emulate specific devices and the system dynamically creates a DeviceLink.
- DeviceLink** technology insures black preservation.
- When using a CMYK emulation (such as GRACoL) the appearance of a full black object will be determined by your rendering intent.
 - Saturation/Pure**: 100% printer K
 - Colorimetric/Perceptual rendering**: based on full black of the emulation target (generally less than 100% printer K)

PDF/X Compatibility

For print environments standardized on the color management of PDF/X 1a or PDF 3, check "Process as PDF/X" to honor the embedded content. An extra option allows RGB to use the full gamut of the Xerox printer within the PDF/X workflow.

Grayscale Processing (not illustrated)

- If **Print as Grayscale** is selected, all data (grayscale and full color) is rendered with K only.
- In **Normal Color Mode**, grayscale input data is printed as K. Grayscale Color Space options adjust the contrast level.

Using embedded color management (embedded profiles)

- To honor embedded profiles, check the Use Embedded Profile box for the applicable Source Color Space.
- Black channel is **not** preserved.

Spot Color Processing

- Named spot colors in a print file will print using built-in CMYK recipes for PANTONE® PMS and GOE colors which are fully customized and PANTONE licensed.
- Spot colors can be fine tuned with the visual Spot Color Editor. Custom named colors can also be added.
- Spot Color Processing** is not impacted by any other color controls, except for calibration to ensure consistency.
- If the spot color name is not found in the table, or the feature is Disabled, the associated default CMYK recipe is processed via the CMYK path.
- Solution available to map "RGB" spot colors from office applications.

How are the Color Settings defined?

Settings can be viewed in the Job Properties/Image Quality tab. Unique settings for specific pages can be specified in the Job Properties/Special Pages tab. Resolved values are based on source priority, from highest to lowest:

- Queue Override
- Job Ticket
- Queue Default

A job or page may have objects in different color spaces—each is rendered independently with the appropriate settings. Objects on a page may be in the form of image data, vector or text. Many settings have independent options for different object types.