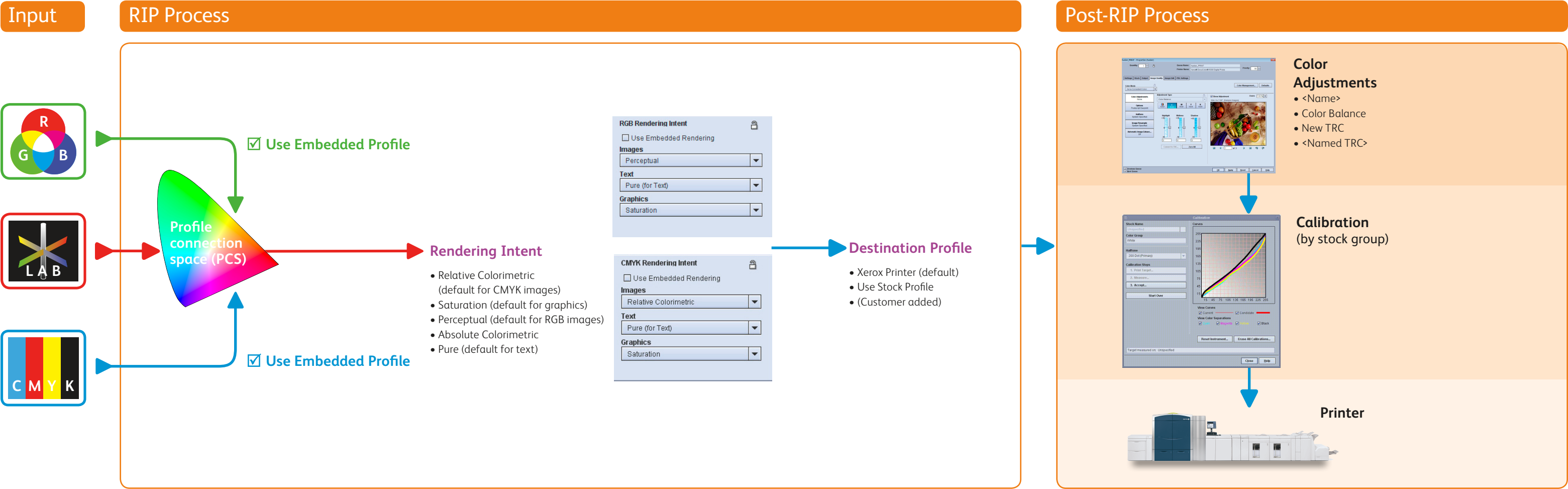
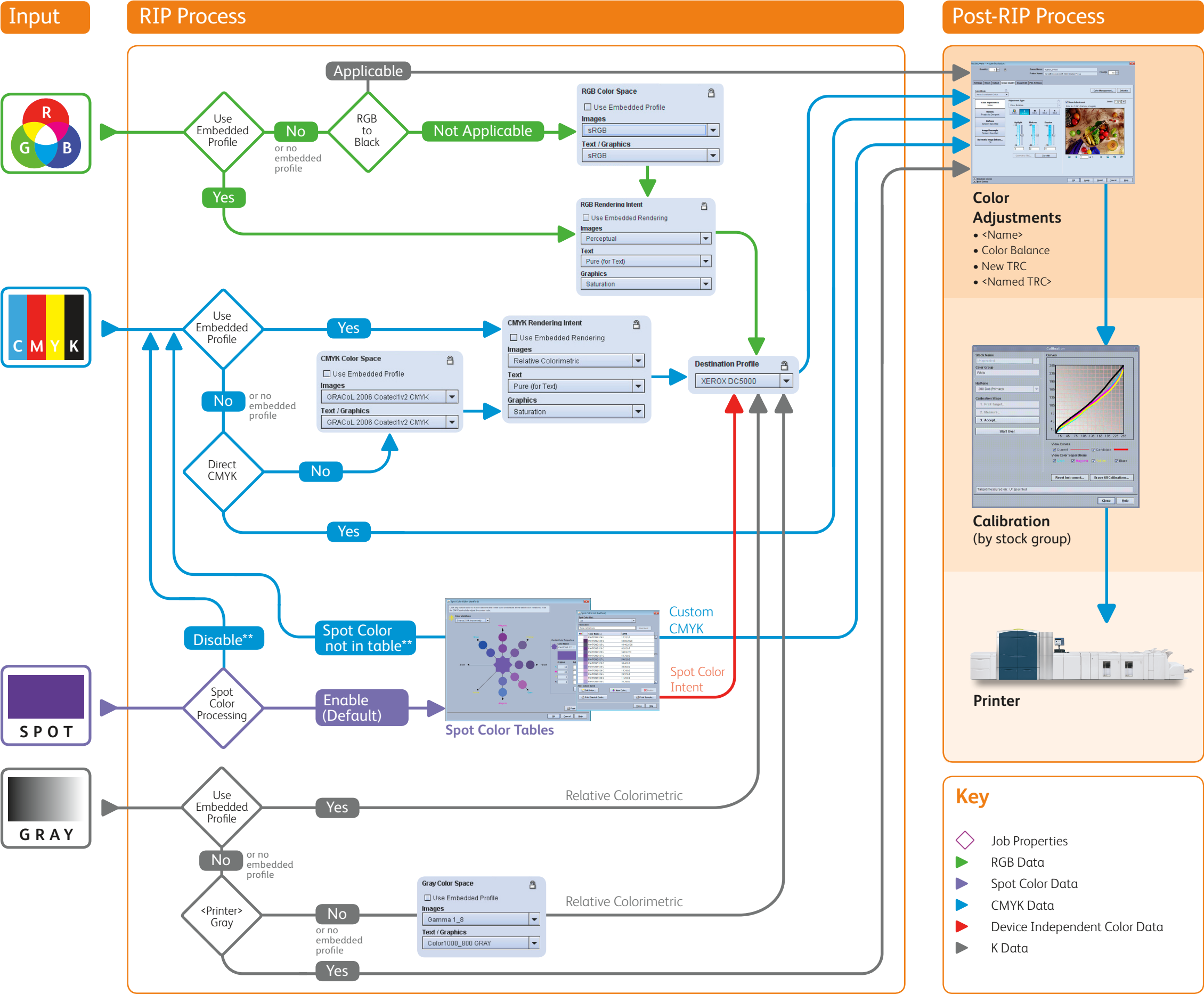


Xerox® FreeFlow® Print Server Version 8, PostScript/Legacy PDF Processing Color Workflow – Using Embedded Profile

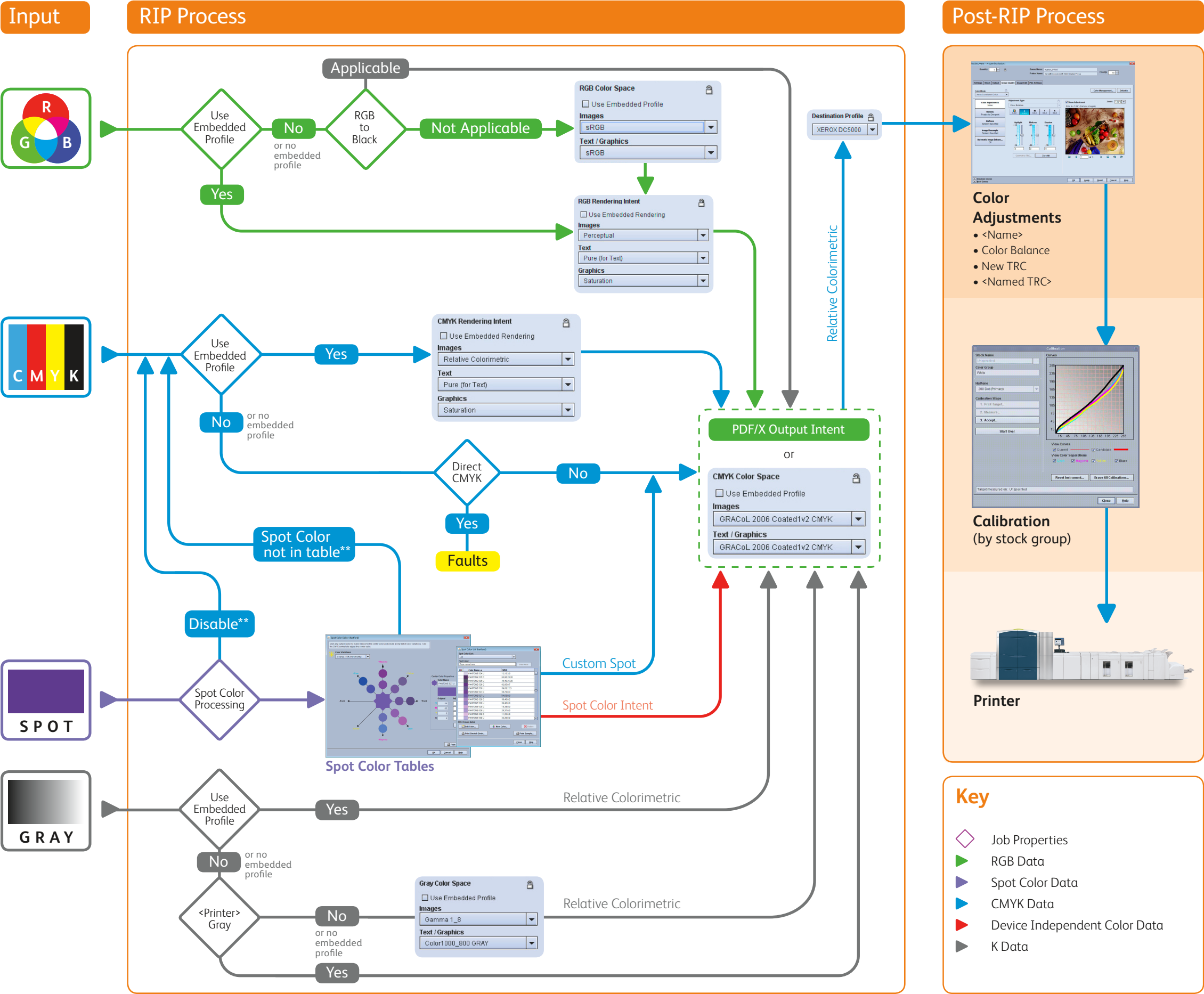




General/Normal Mode

- RGB Workflow**
- Default color space: **sRGB**, optimal for office applications and direct photo printing. **Adobe RGB** is often used by designers working in the Adobe Creative Suite.
 - Use Embedded Profile** (default on iGen4): This option honors the intent of designers who associate profiles with their photo/images.
 - For RGB black/gray text and graphics, use the **RGB to Black** option to force printing with K only (not applicable when using embedded profile or to images).
 - “**Black uses K**” is applicable when R=G=B=0
 - “**Black and Gray use K only**” is applicable when R=G=B
 - Automatic Image Enhancement** is not supported with APPE in v8.
- 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).
 - Supports a workflow where color management is applied upstream.
 - Default color space: **GRACoL (v7)**, provides optimal color balance for traditional CMYK workflows and offset press emulation. Additional common standards are built-in for regional and shop-specific preferences.
 - Add new CMYK profiles via the **Color Manager** to emulate specific devices, and the system dynamically creates a DeviceLink.
 - DeviceLink technology insures black preservation.
- Grayscale Processing**
- Grayscale data is printed as K-only; profiles adjust the contrast level.
 - Default **Images**: **Gamma 1_8**
 - Default **Text/Graphics**: **<Printer> Gray (Direct)**
 - If **Color Mode** → **Grayscale** is selected, all data is rendered with K only.
- Using Embedded Color Management (Embedded Profiles)**
- To honor embedded profiles, check the **Use Embedded Profile** box for the applicable Source Color Space.
 - Embedded profiles generally do not use DeviceLink, therefore the CMYK black channel is not preserved.
- Spot Color Processing**
- FreeFlow Print Server is PANTONE® licensed. PANTONE® PMS and GOE colors will be rendered using Pantone L*a*b* aims, with the current **Destination Profile**.
 - Spot colors can be fine tuned with the visual **Spot Color Editor**. Custom named colors can also be added. Edited or custom colors will print using the CMYK specified in the Editor.
 - If the spot color name is not found in the table, or **Spot Color Processing is Disabled**, the alternative color definition is used. The chart depicts typical scenario, in which alternative color is CMYK
- Rendering Intents**
- Same as PostScript/Legacy PDF.

**Alternative color definition is used. CMYK (shown) is commonly used.



- Adobe PDF Print Engine's Printer Emulation Mode
- Optimizes consistency between devices
 - In effect when any of the following FreeFlow Print Server Color Management options are selected:
 - RGB Emulation "On"
 - Color Mode → Xerox Consistent Color
 - Process as PDF/X (checkbox selected)
- Note: Page exceptions for these settings are ignored; entire job is processed in either normal or printer emulation mode.
- Uses two-stage processing:
 - All content—RGB, CMYK, Gray, Spot, L*a*b*—is normalized to the emulated CMYK space, then rendered in printer CMYK via the Destination Profile.
- RGB Emulation
 - "Off": Normal color flow, color optimized for printer
 - "On": Enable emulation mode.
- The emulated CMYK space is defined by the CMYK Color Space selected for the job/page.
- Xerox Consistent Color Mode
 - Sets RGB Emulation "On", thus engaging emulation mode
 - Enforces default RGB & CMYK settings, restricts Color Adjustments
 - Spot Color Processing "Disabled"
 - Alternative color definition (rather than PANTONE L*a*b* value) is rendered to the emulation space
- Process as PDF/X
 - Ensures compliance (PDF/X-1a, PDF/X-3, or PDF/X-4)
 - If the file defines PDF/X Output Intent, that defines the emulated CMYK space.
 - If the file does not have a PDF/X Output Intent, the emulated CMYK space is defined by the CMYK Color Space selected for the job/page.
 - Enforces use of embedded profile, embedded rendering intent, and overprint. (not shown in properties display as does not apply to non-PDF)
- **Alternative color definition is used. CMYK (shown) is commonly used.