Fiery Command WorkStation 6 FS300 & Above Color Settings

How to use this document

This tool is intended to show users the detailed color processing path for Fiery servers on FS300 software and above running Fiery Command WorkStation® 6. Watch the full video presentation to understand how each setting affects different color spaces. This page describes how to access the expert settings along with some key concepts related to digital front end (DFE) color management. Finally, you will see the recommended Fiery expert color settings to use for most jobs.

Managing various color spaces

Users are able to send jobs to the Fiery server containing a variety of color spaces. The Fiery server processes each of the many color types for precise color output and consistency. Fiery servers offer advanced color management capabilities that provide users with greater color control. The expert features and options allow users to customize workflows to deliver accurate color every time.

This document provides examples of the impact of various color management settings to help guide you to configuring the Fiery server for the best color result. Although not every possible combination of options is presented, enough information is provided to ensure that you can make the correct decisions when setting up your workflows and output devices.

In a traditional print environment, CMYK workflows were often preferred. Fiery severs' color technology allow the flexibility to work in a variety of color spaces like CMYK, RGB, device independent color spaces, and custom spot colors without having to modify the native content to be compatible with a traditional print workflow.
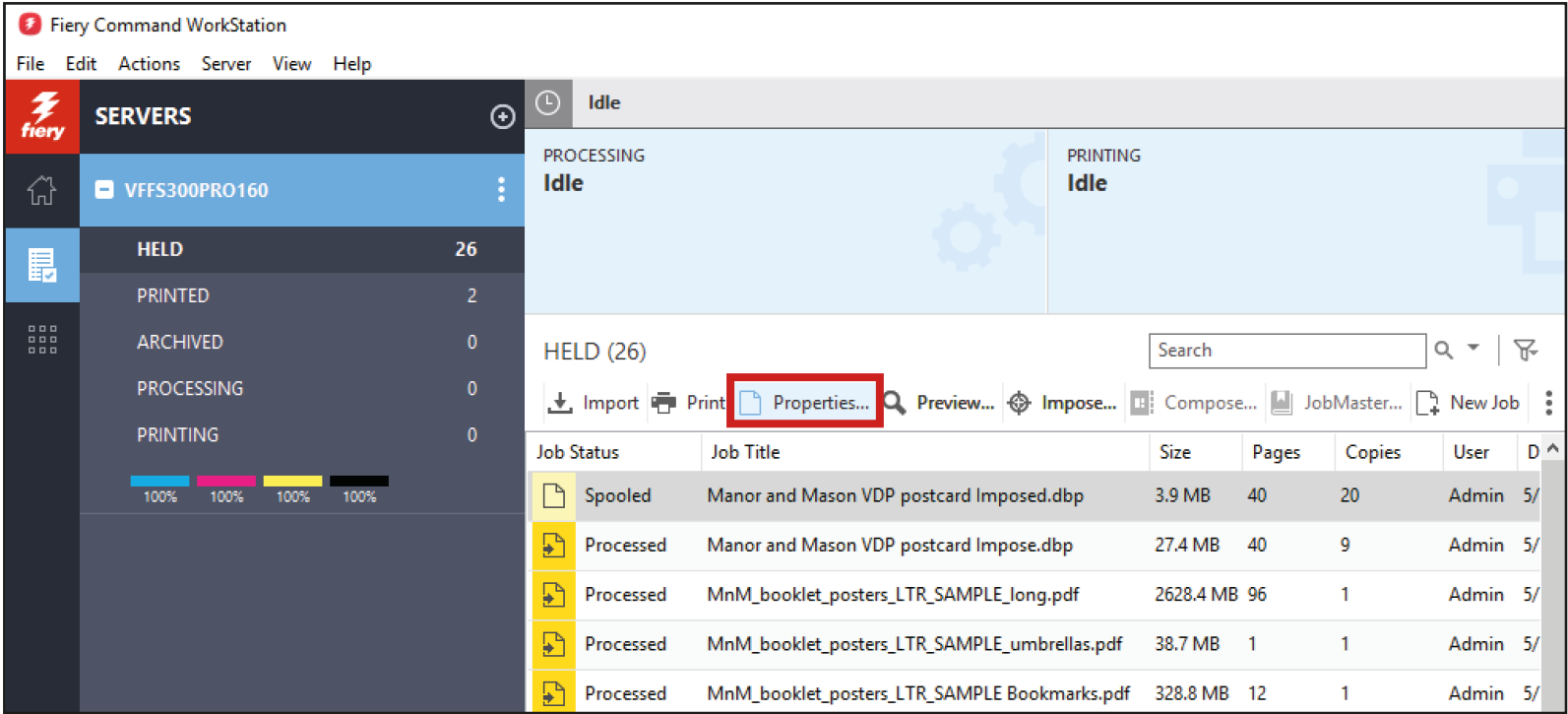
How do I know what color space I am using?

As content is designed in a native application, this provides the first source of information on the color type. Business applications typically use RGB while graphics applications can draw with CMYK, RGB and custom spot colors. Digital cameras capture images in RGB, and corporate logos are often created using spot colors from industry standard color libraries. If you do not have access to the native content, the Fiery server has utilities in the Graphic Arts Package, Premium Edition (or Productivity Package) that can help you identify documents' color content.
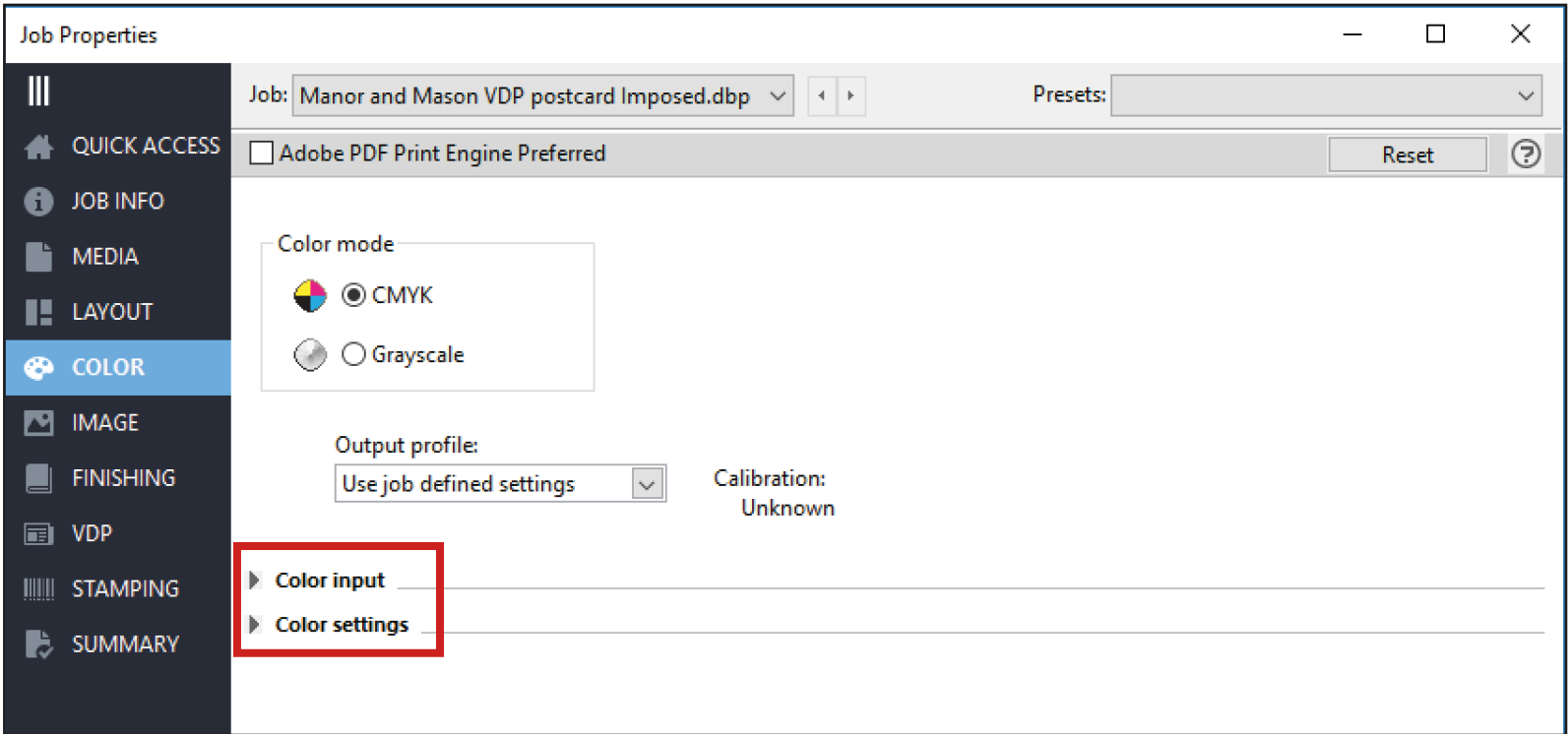
Print Gray Using Black Only

Color management is designed to convert color from a source device to a destination device and closely maintain the color appearance between these different devices. For example printing a RGB photograph from a digital camera to a printer using CMYK. A side effect of this design is converting pure colors like Black and Gray into the print system's CMYK. This can affect the neutral appearance of gray and add unwanted color clicks to the print job. Fiery servers' Gray and Black processing eliminate this problem by preserving the source Black and Gray colors to print with only the print system's black toner, saving the color click charge.

How to access the color settings on your Fiery DFE
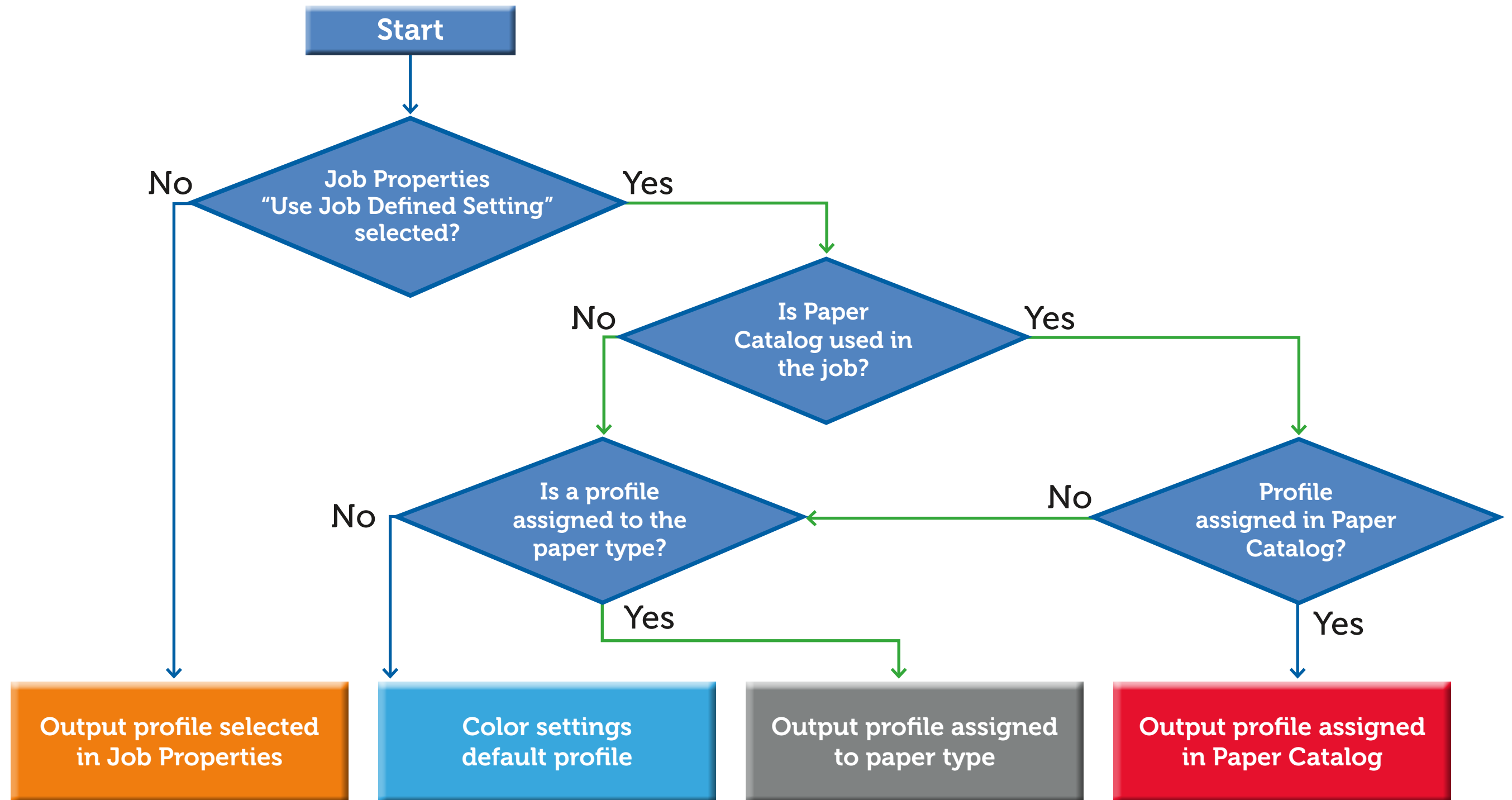
Select Properties after highlighting a job in the list from within Fiery Command WorkStation 6.

Expand the Color input and Color settings sections to view all color settings.

Fiery server output profile selection

Fiery Command WorkStation 6 FS300 & Above Color Settings – Expert Color Management Best Practice Settings

Left panel (Color Settings dialog)

Job: Job 1   Presets:

☐ Adobe PDF Print Engine Preferred

Color mode
- ◉ CMYK
- ○ Grayscale

Output profile: Use job defined settings
Calibration: Plain, Default measurements

Color input

RGB/Lab
RGB source: sRGB (PC)
☑ Use RGB embedded profiles
RGB rendering intent: Photographic
Print RGB gray using black only: Text/Graphics

CMYK
CMYK source: PSO Coated FOGRA51 (EFI)
☐ Use CMYK embedded profiles
CMYK rendering intent: Relative Colorimetric
☑ Black point compensation
Print CMYK gray using black only: Text/Graphics/Images

Grayscale
Grayscale source: Dot Gain 10%
☑ Use Gray embedded profiles
Grayscale rendering intent: Relative Colorimetric
Print gray using black only: Text/Graphics/Images

Spot color
☑ Spot color matching
Use spot group: Default

Color settings

☐ PDF/X output intent
☐ Separate RGB/Lab to CMYK source
Black text and graphics: Pure Black On
Black overprint (for pure black): Text
☑ Composite overprint
☐ 2-color print mapping
☑ Substitute colors
☐ Combine separations
☐ Auto trapping
☑ Optimize RGB transparency
ImageViewer Curves: No correction

Workflow table

	RGB (Adobe RGB Embedded)	CMYK (GRACoL Embedded)	Grayscale (Dot Gain 20%)	Spot Color
Color Space				
Source Profile	Adobe RGB	PSO Coated FOGRA51	Dot Gain 20%	
Rendering Intent	Photographic	Relative Colorimetric	Relative Colorimetric	
Black Point Compensation		☑		
Print gray using black only	K only output for RGB text/graphics R=G=B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	K only output for Grayscale text/graphics/images	
PDF/X Output Intent				Fiery spot color table
Separate RGB/Lab to CMYK Source				
Black Processing	R,G,B = 0 prints as K only & Overprints (text)	100% K prints as K only & Overprints (text)	Grayscale space prints as K only & Overprints (text)	

Output profile — Profile defined from paper catalog

Calibration — GenericCoated-US Default measurements