

How to use this document

This tool replaces the legacy Fiery® colour flow chart illustration. It is intended to show users the detailed colour processing path on the Fiery server. The tool is delivered as a video presentation, click here to access the [video](#). See the next page for the recommended Fiery expert colour settings. This page describes the basics of accessing the expert settings along with some key concepts related to digital front end (DFE) colour management.

Managing various colour spaces

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

This document provides examples of the impact of various colour management settings to help guide you to configuring the Fiery server for the best colour 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 servers' colour technology allow the flexibility to work in a variety of colour spaces like CMYK, RGB, device independent colour spaces, and custom spot colours without having to modify the native content to be compatible with a traditional print workflow.

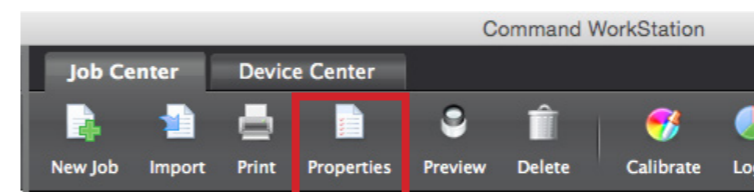
How do I know what colour space I am using?

As content is designed in a native application, this provides the first source of information on the colour type. Business applications typically use RGB while graphics applications can draw with CMYK, RGB and custom spot colours. Digital cameras capture images in RGB, and corporate logos are often created using spot colours from industry standard colour 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' colour content.

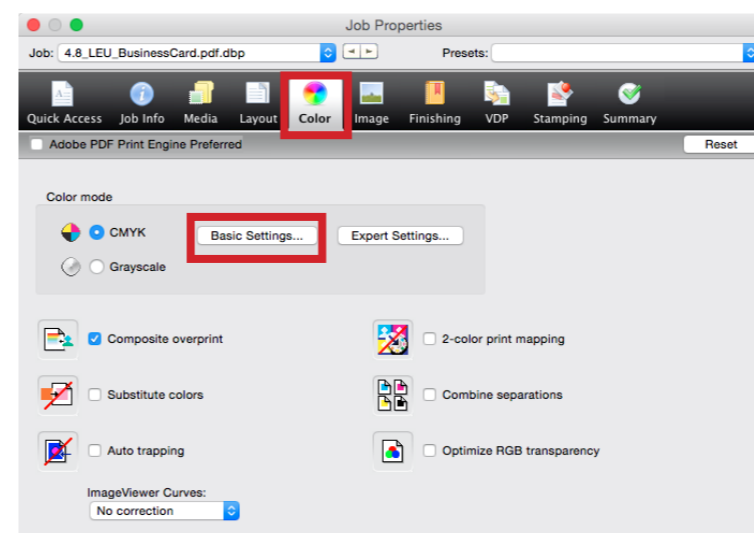
Print Gray Using Black Only

Colour management is designed to convert colour from a source device to a destination device and closely maintain the colour 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 colours like Black and Gray into the print system's CMYK. This can affect the neutral appearance of gray and add unwanted colour clicks to the print job. Fiery servers' Gray and Black processing eliminate this problem by preserving the source Black and Gray colours to print with only the print system's black toner, saving the colour click charge.

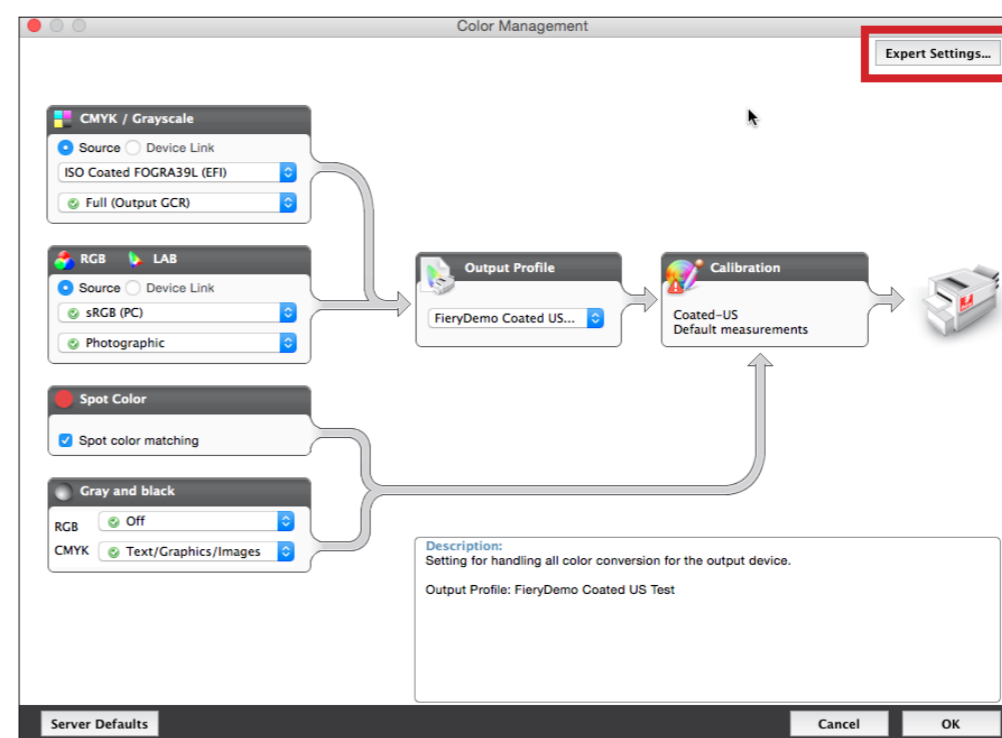
How to access the expert colour settings on your Fiery DFE



1. Select Properties after highlighting a job in the list from within Fiery Command WorkStation



2. Select the Colour Tab and then Basic Settings to view the standard color settings

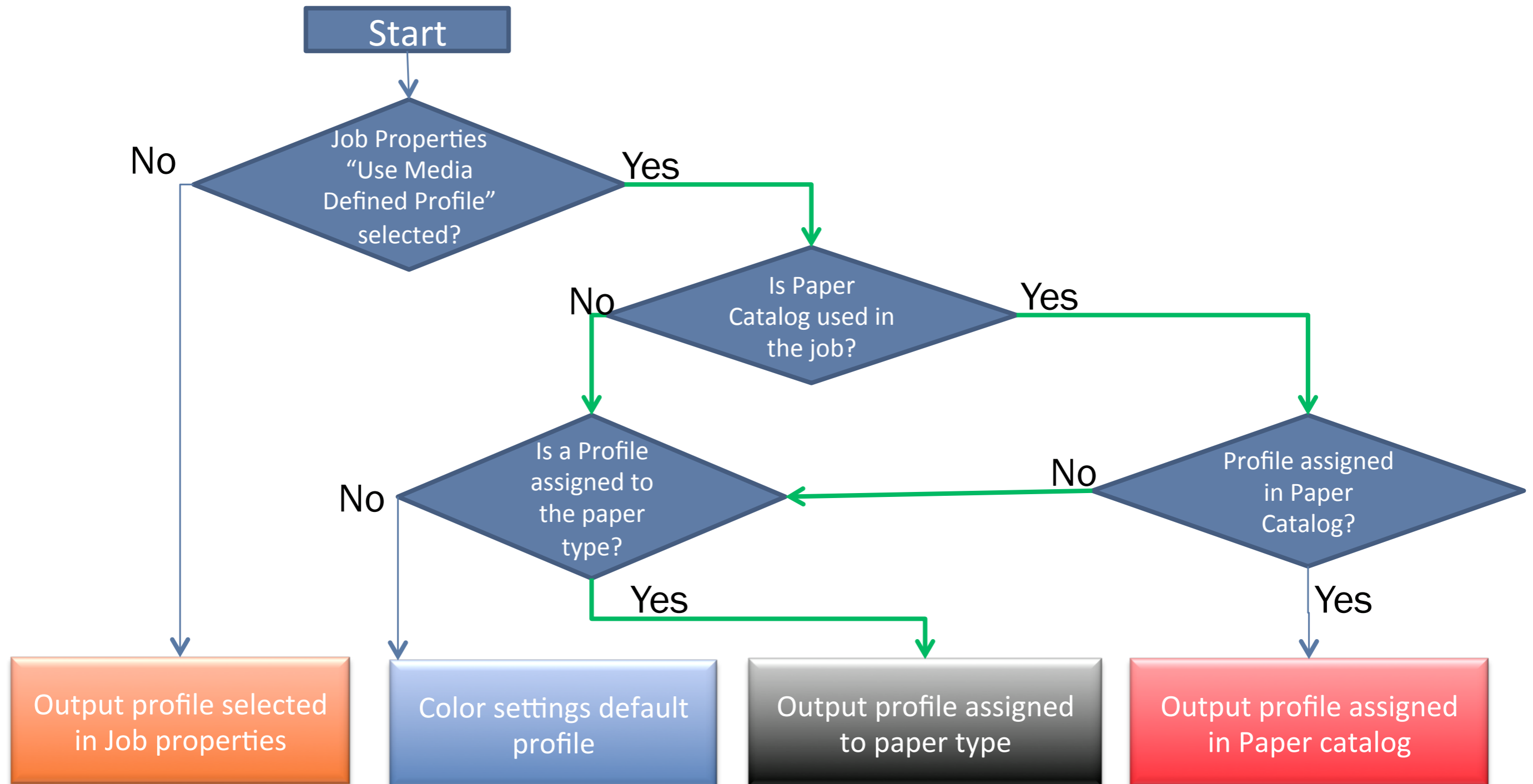


3. To access all the colour settings explained in this document, click on Expert Settings

Fiery Colour Flowchart Settings – Output Profile

Automated output profile selection on the Fiery server

This diagram demonstrates how the automated outprofile selection works on the Fiery server. First, look at the Job Properties within Fiery Command WorkStation and check to see if “Use Media Defined Profile” is selected for the job. Follow the chart below to see how the output profile selection is determined.



Fiery Colour Flowchart Settings – Expert Colour Management Best Practice Settings

Color Management

Color Input | Gray & Black Processing | Output

CMYK/Grayscale

Source Device Link

ISO Coated FOGRA39L (EFI)

Use embedded profile when present

Processing method:

Full (Output GCR)

Black point compensation

Paper simulation

PDF/X output intent

RGB Lab

Source Device Link

RGB sRGB (PC)

Use embedded profile when present

Lab source uses CIE Lab

Rendering intent:

Photographic

Separate RGB/Lab to CMYK source

Spot color

Spot color matching

Color Input | Gray & Black Processing | Output

Default output profile:

Use media defined profile

Color Input | Gray & Black Processing | Output

Gray

RGB Text/Graphics

CMYK Text/Graphics/Images

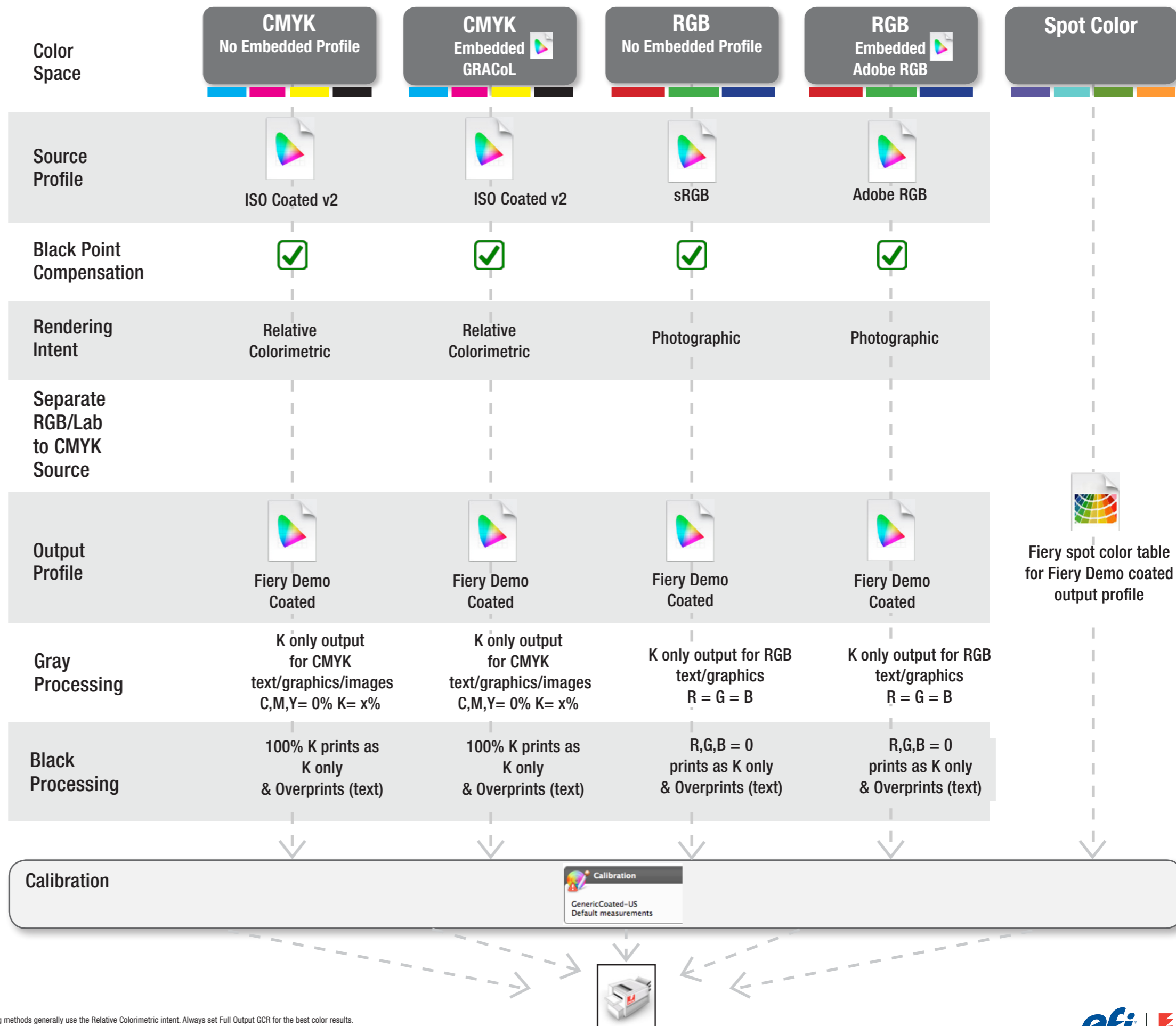
Black

Black text and graphics:

Pure Black On

Black overprint (for pure black):

Text



* Fiery CMYK processing methods generally use the Relative Colorimetric intent. Always set Full Output GCR for the best color results.