Selecting color corrections

Color printers and computer display screens produce color differently. Printers use the subtractive primaries CMYK (cyan, magenta, yellow, and black), and produce color when light is reflected off the paper. Computers use the additive primaries RGB (red, green, blue) with a light-emitting CRT screen. The printer and the computer screen each have a different range of possible colors they can produce, with some overlap between them.

Software application packages specify color in different ways, for example as CMYK or RGB, or they may give you a choice. Get to know your applications so you can get the most out of them.

The TekColor color correction options are available for a finer degree of control over color. Since no single color correction option can address all uses, refer to the following table for the description that best fits your printing situation, and try the suggested color correction.

Printing objective or problem	Color correction to use
Brightest, most vibrant colors	Vivid Color
Overhead transparency presentations	Vivid Color
Blue colors are printing too purple	Vivid Color
Using PANTONE Colors	None
Colors should match computer display screen	Simulate Display
Colors should match a printing press standard	SWOP Press Euroscale Press Commercial Press
Colors are too dark	Simulate Display
Colors are washed out or faded	Vivid Color
Print in gray scale	Monochrome
Use printer's current color defaults	Use Printer Setting

If your Phaser 340 printer is shared by other users on a network

Another user may use the downloadable color correction utility files, or the printer's front panel, to change the printer's default color correction setting. If this situation occurs, the prints you make through a non-Tektronix driver may not print as expected.

Application color corrections

Some applications perform color corrections to improve screen-to-printer color matching. The color correction options in the Tektronix drivers adjust colors in the printer after the application has performed its color corrections.

- If the application uses CIE (Commission Internationale de l'Eclairage) colors, the Tektronix corrections will not be applied.

- If you select a color correction option in the driver other than **None**, the selection may override some application features.

- If you try one of the driver's other options and the printed results are not what you expected, then select the **None** option and try reprinting your image.

If you are using a non-Tektronix driver

To use the color corrections with a non-Tektronix driver, use the downloadable utility files or the printer's front panel.