

Color Registration Mark Sensors respond to light levels that are reflected back in shades of gray. Each registration mark and background color combination responds best to a specific LED color.

Choose an LED color that will create the best contrast between the registration mark and the background.

1. Choose a color on the chart that best matches your **background**. Now choose a color that best matches your **registration mark**.
2. Use the chart to line up your registration mark color with your background color. You'll find up to 4 choices of LED: **red**, **green**, **white** or **blue**.
3. Pick the most effective LED according to numerical rank, represented by 1st, 2nd, 3rd or 4th best choice.

The charts below show you how each LED color "sees" colors in varying shades of gray.

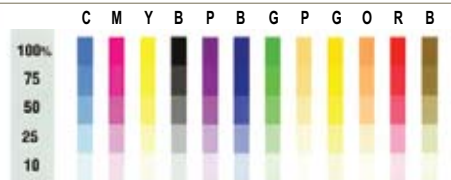
		BACKGROUND COLOR															
		Cyan	Magenta	Yellow	Black	Purple	Blue	Green	Peach	Gold	Orange	Red	Brown	White			
MARK COLOR	Cyan		1 2 3	1 2 3	1 2 3 4	1 2 3	1 2 3 4	1	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3 4		Cyan	
	Magenta		1 2 3		1 2	1 2 3 4	1 2 3	1 2	1 2 3	1 2 2	1	1 2	1 2	1 2 3	1 2 3		Magenta
	Yellow		1 2 3	1 2		1 2 3 4	1 2 3	1 2 3 4	1 2	1	1	1	1 2 3	1 2 3	1 2 2		Yellow
	Black		1 2 3 4	1 2 3 4	1 2 3 4		1 2 2 3	1 2 2	1 2 3	1 2 3 4	1 2 3 4	1 2 2 3	1 2	1 2 3 4	1 2 3 4		Black
	Purple		1 2 3	1 2 3	1 2 3	1 2 2 3		1 2	1 2	1 2 3 4	1 2 3	1 2 3 4	1 2 3	1 2	1 2 3 4		Purple
	Blue		1 2 3 4	1 2	1 2 3 4	1 2 2	1 2		1 2 3 4	1 2 3	1 2 3	1 2 2 3	1 2 3 4	1 2 3 4	1 2 3 4		Blue
	Green		1	1 2 3	1 2	1 2 3	1 2	1 2 3 4		1 2 3	1 2	1 2 3	1 2 3 4	1 2 3	1 2 3 4		Green
	Peach		1 2 3	1 2 2	1	1 2 3 4	1 2 3 4	1 2 3	1 2 3		1 2	1	1 2 3	1 2 3 4	1 2 3		Peach
	Gold		1 2 3	1	1	1 2 3 4	1 2 3	1 2 3	1 2	1 2		1	1 2	1	1 2 3		Gold
	Orange		1 2 3	1 2	1	1 2 2 3	1 2 3 4	1 2 2 3	1 2 3	1	1		1 2 3	1 2 3 3	1 2 3		Orange
	Red		1 2 3	1 2	1 2 3	1 2	1 2 3	1 2 3 4	1 2 3 4	1 2 3	1 2	1 2 3		1 2 3	1 2 3		Red
	Brown		1 2 3	1 2 3	1 2 3	1 2 3 4	1 2	1 2 3 4	1 2 3	1 2 3 4	1	1 2 3 3	1 2 3		1 2 3 4		Brown
	White		1 2 3 4	1 2 3	1 2 2	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3 4		White	

N Red LED
N Green LED
N White LED
N Blue LED

MARK COLOR

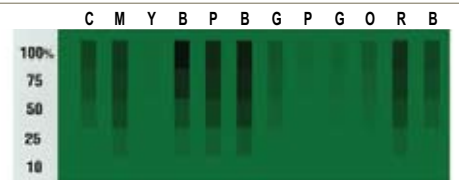
Your Actual Color:

Color in shades and tints as you perceive it. *White LEDs detect these colors in grayscale. Use white in mid-level contrast applications, especially with black and red combinations.



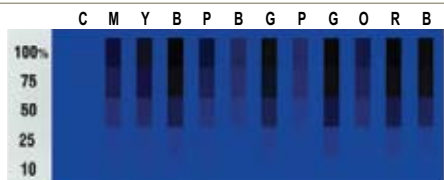
Green LED:

For general use as it is most sensitive to a variety of color combinations.



Blue LED:

Use for detection of the lightest shaded colors and tints. Effective for pastel colors and difficult color combinations such as 20% yellow on newsprint.



Red LED:

Use with certain colors (see below) as it provides the highest contrast for these colors.

