



# PROCION MX COLOR MIXING CHART

There are 11 standardized colors (see Procion MX Color Info) in the Procion MX line. All other colors, no matter the manufacturer, are mixed formulas of two or more of these standardized colors. We offer the extended palette for your convenience, and our entire color line is used in the formulas below, but the ultimate dyer needs only to stock the standardized colors. If color specificity is very important to you we recommend developing your own set of recipes using the standardized colors.

An unlimited color palette can be mixed with Procion MX fiber reactive dyes. Measured quantities of specific colors yield predictable new colors. These color formulas or recipes are suggestions for color. The variables of fiber type and processing, water purity, temperature and freshness of chemical assistants can dramatically vary the dyed results. Always run dye tests, observe and record results before any major dye run. The following color recipes in column four are for one pound of fiber. All measurements are in teaspoons of dye powder. For your convenience, column two lists formulas using the "parts method." Reduce or expand the recipe proportionally to match the weight of the fiber.

Color	Parts Method	PMX Color and #	Teaspoon Method
Daffodil	9 parts	Lemon Yellow #004	2 1/4 tsp.
	1 part	Bright Golden Yellow #010	1/4 tsp.
Goldenrod	16 parts	Lemon Yellow #004	4 tsp.
	1 part	Brilliant Orange #020	1/4 tsp.
Wheat	18 parts	Bright Golden Yellow #010	2 1/4 tsp.
	1 part	Warm Black #128	1/8 tsp.
Pea Green	9 parts	Bright Golden Yellow #010	2 1/4 tsp.
	1 part	Medium Blue #072	1/4 tsp.
Apricot	9 parts	Bright Golden Yellow #010	2 1/4 tsp.
	1 part	Brilliant Orange #020	1/4 tsp.
Peach	6 parts	Rust Orange #016	1 1/2 tsp.
Harvest Orange	18 parts	Bright Golden Yellow #010	2 1/4 tsp.
	9 parts	Brilliant Orange #020	1 1/8 tsp.
	1 part	Warm Black #128	1/8 tsp.
Salmon	18 parts	Brilliant Orange #020	2 1/4 tsp.
	1 part	Warm Black #128	1/8 tsp.
Tangerine	11 parts	Bright Golden Yellow #010	2 3/4 tsp.
	6 parts	Fire Engine Red #030	1 1/2 tsp.
Red Orange	11 parts	Bright Golden Yellow #010	2 3/4 tsp.
	6 parts	Carmin Red #032	1 1/2 tsp.
Coral	9 parts	Fire Engine Red #030	2 1/4 tsp.
	tone with	Warm Black #128	1/16 tsp.



Color	Parts Method	PMX Color and #	Teaspoon Method
Antique Rose	9 parts	Fire Engine Red #030	2 1/4 tsp.
	1 part	Warm Black #128	1/4 tsp.
Rose	11 parts	Carmine Red #032	2 3/4 tsp.
	6 parts	Bright Golden Yellow #010	1 1/2 tsp.
Burnt Orange	9 parts	Bright Golden Yellow #010	2 1/4 tsp.
	9 parts	Fire Engine Red #030	2 1/4 tsp.
	1 part	Warm Black #128	1/4 tsp.
Chinese Red	2 parts	Carmine Red #032	4 1/2 tsp.
	1 part	Bright Golden Yellow #010	2 1/4 tsp.
Bubble Gum Pink	1 part	Fuchsia #040	2 1/4 tsp.
Dark Pink	9 parts	Magenta #034	2 1/4 tsp.
	1 part	Medium Blue #072	1/4 tsp.
Hot Pink	1 part	Fuchsia #040	3 tsp.
Mauve	6 parts	Brown Rose #126	1 1/2 tsp.
Berry Sorbet	6 parts	Fuchsia #040	1 1/2 tsp.
	3 parts	Turquoise #068	3/4 tsp.
	1 part	Warm Black #128	1/4 tsp.
Orchid	1 part	Fuchsia #040	2 1/4 tsp.
	1 part	Turquoise #068	2 1/4 tsp.
Plum	2 parts	Fuchsia #040	3 tsp.
	1 part	Medium Blue #072	1 1/2 tsp.
Deep Purple	2 parts	Fuchsia #040	3 tsp.
	1 part	Cerulean Blue #070	1 1/2 tsp.
Lavender	9 parts	Medium Blue #072	2 1/4 tsp.
	4 parts	Fire Engine Red #030	1 tsp.
Amethyst	1 part	Magenta #034	2 1/4 tsp.
	1 part	Cerulean Blue #070	2 1/4 tsp.
Maroon	2 parts	Carmine Red #032	3 tsp.
	1 part	Navy #078	1 1/2 tsp.
Purple Violet	9 parts	Fuchsia #040	4 1/2 tsp.
	9 parts	Cerulean Blue #070	4 1/2 tsp.
	2 parts	Navy #078	1 tsp.
Blue Violet	1 part	Navy #078	2 1/4 tsp.
	1 part	Carmine Red #032	2 1/4 tsp.
Red Violet	1 part	Navy #078	2 1/4 tsp.
	1 part	Fuchsia #040	2 1/4 tsp.



Color	Parts Method	PMX Color and #	Teaspoon Method
	1 part	Cobalt Blue #076	2 1/4 tsp.
Pansy Purple	9 parts	Navy #078	2 1/4 tsp.
	5 parts	Fuchsia #040	1 1/4 tsp.
Periwinkle	9 parts	Navy #078	2 1/4 tsp.
	4 parts	Fuchsia #040	1 tsp.
	4 parts	Cobalt Blue #076	1 tsp.
Sapphire Blue	1 part	Fuchsia #040	2 1/2 tsp.
	1 part	Navy #078	2 1/2 tsp.
Ultramarine	1 part	Brown Rose #126	2 1/2 tsp.
	1 part	Navy #078	2 1/2 tsp.
Heritage Blue	2 parts	Medium Blue #072	3 tsp.
	1 part	Warm Black #128	1 1/2 tsp.
Powder Blue	2 parts	Navy #078	1 1/2 tsp.
	1 part	Warm Black #128	3/4 tsp.
French Blue	12 parts	Cobalt Blue #076	1 1/2 tsp.
	1 part	Warm Black #128	1/8 tsp.
Sky Blue	9 parts	Medium Blue #072	2 1/4 tsp.
	1 part	Warm Black #128	1/4 tsp.
Mountain	9 parts	Cerulean Blue #070	2 1/4 tsp.
	1 part	Warm Black #128	1/4 tsp.
Chicory Blue	1 part	Medium Blue #072	1 1/2 tsp.
	1 part	Navy #078	1 1/2 tsp.
Postman Blue	1 part	Cobalt Blue #076	2 1/4 tsp.
	1 part	Navy #078	2 1/4 tsp.
Prussian Blue	1 part	Cerulean Blue #070	5 tsp.
	1 part	Navy #078	5 tsp.
Confederate Blue	9 parts	Turquoise #068	2 1/4 tsp.
	1 part	Brilliant Orange #020	1/4 tsp.
Seafoam	4 parts	Cerulean Blue #070	1 tsp.
	1 part	Rust Orange #016	1/4 tsp.
Blue Mist	9 parts	Turquoise #068	2 1/4 tsp.
	1 part	Rust Orange #016	1/4 tsp.
New Aqua	5 parts	Turquoise #068	2 1/2 tsp.
	1 part	Lemon Yellow #004	1/2 tsp.
	1 part	Warm Black #128	1/2 tsp.
Blue Spruce	1 part	Lemon Yellow #004	2 1/4 tsp.
	1 part	Cobalt Blue #076	2 1/4 tsp.



Color	Parts Method	PMX Color and #	Teaspoon Method
Teal	1 part	Navy #078	2 1/4 tsp.
	1 part	Lemon Yellow #004	2 1/4 tsp.
Jade	9 parts	Lemon Yellow #004	4 1/2 tsp.
	5 parts	Cerulean Blue #070	2 1/4 tsp.
	5 parts	Medium Blue #072	2 1/4 tsp.
Yellow Green	18 parts	Lemon Yellow #004	2 1/4 tsp.
	1 part	Medium Blue #072	1/8 tsp.
Chartreuse	64 parts	Lemon Yellow #004	4 tsp.
	1 part	Medium Blue #072	1/16 tsp.
Vermillion Green	1 part	Turquoise #068	2 1/4 tsp.
	1 part	Bright Golden Yellow #010	2 1/4 tsp.
Lime Green	22 parts	Lemon Yellow #004	2 3/4 tsp.
	9 parts	Turquoise #068	1 1/8 tsp.
Spring Green	13 parts	Lemon Yellow #004	6 1/2 tsp.
	10 parts	Turquoise #068	5 tsp.
	3 parts	Medium Blue #072	1 1/2 tsp.
Shamrock	20 parts	Lemon Yellow #004	5 tsp.
	20 parts	Turquoise #068	5 tsp.
	9 parts	Medium Blue #072	2 1/4 tsp.
Fern Green	11 parts	Lemon Yellow #004	2 3/4 tsp.
	6 parts	Cobalt Blue #076	1 1/2 tsp.
**Sage	1 part	Rust Orange #016	1 1/2 tsp.
	1 part	Cerulean Blue #070	1 1/2 tsp.
**Fatigue Green	1 part	Rust Orange #016	4 tsp.
	1 part	Cerulean Blue #070	4 tsp.
Avocado	2 parts	Lemon Yellow #004	3 tsp.
	1 part	Navy #078	1 1/2 tsp.
**Artichoke	1 part	Rust Orange #016	2 1/4 tsp.
	1 part	Turquoise #068	2 1/4 tsp.
**Khaki	1 part	Rust Orange #016	2 1/4 tsp.
	1 part	Turquoise #068	2 1/4 tsp.
**Desert Green	1 part	Rust Orange #016	1 1/2 tsp.
	1 part	Medium Blue #072	1 1/2 tsp.
**Olive	1 part	Rust Orange #016	4 tsp.
	1 part	Medium Blue #072	4 tsp.



Color	Parts Method	PMX Color and #	Teaspoon Method
Brown Sienna	2 parts	Lemon Yellow #004	3 tsp.
	1 part	Medium Blue #072	1 1/2 tsp.
	1 part	Brilliant Orange #020	1 1/2 tsp.
Pottery	28 parts	Rust Orange #016	3 1/2 tsp.
	9 parts	Brown Rose #126	1 1/8 tsp.
Terra Cotta	28 parts	Rust Orange #016	3 1/2 tsp.
	9 parts	Burgundy #124	1 1/8 tsp.
Flesh	1 part	Rust Orange #016	1/2 tsp.
	1 part	Burgundy #124	1/2 tsp.
Red Earth	1 part	Brown Rose #126	2 1/4 tsp.
	1 part	Warm Black #128	2 1/4 tsp.
	1 part	Brilliant Orange #020	2 1/4 tsp.
Indian Red	1 part	Burgundy #124	2 1/4 tsp.
	1 part	Fire Engine Red #030	2 1/4 tsp.
Cerise	2 parts	Carmin Red #032	3 tsp.
	1 part	Medium Blue #072	1 1/2 tsp.
**Dark Gray	1 part	Jet Black #150	12 tsp.
** Charcoal	1 part	Jet Black #150	24 tsp.

**Note:** You may notice that there are several recipes that have the same constituent colors and the same parts measurements but different teaspoon measurements. This is because when dye concentrations are increased in the dye bath, there is often a color shift.

**Note:** Small quantities of dye can be measured easily from a stock solution of 1 teaspoon of dye powder dissolved in 1/2 cup water. Use the following chart:

- 1 tsp. dry dye powder=1/2 cup (24 tsp.) stock solution
- 1/2 tsp. dry dye powder=1/4 cup stock solution
- 1/4 tsp. dry dye powder=6 tsp. stock solution
- 1/8 tsp. dry dye powder=3 tsp. stock solution
- 1/16 tsp. dry dye powder=1 1/2 tsp. stock solution