

Watercolor Substitution Cheat Sheet * = **Lindsay Recommended color**

<p>*Phthalo Blue (Strong cool-green leaning-blue) (also look for that pigment) AKA Pthalo blue GS or green shade.</p> <p>**This colors is great for mixing green when paired with a cool yellow.</p>	<p>Prussian Blue Cyan Blue Cerulean Blue (if it looks dark: Mission Gold) Helio Cerulean Winsor Blue (Winsor & Newton) Intense Blue (Winsor & Newton/Cotman) Azure (Yarka/White Nights) Turquoise</p>
<p>Indigo (deep cool blue grey)</p>	<p>Indanthrone Blue Payne's Grey+Prussian Blue</p>
<p>*Ultramarine Blue (warm, purple bias red)</p> <p>**This color is good for mixing violet with a cool red or gray with burnt sienna.</p> <p>***This color granulates for textured washes.</p>	<p>Colbalt Blue Pthalo blue Red Shade (not my fave substitute) Poland Blue</p>
<p>Cerulean Blue (Less intense cool blue)</p>	<p>Manganese Blue Phthalo blue + white Cinerous Blue (Sennelier)</p>
<p>*Quinacridone Rose (Cool red with violet undertones)</p> <p>**This color makes lovely purples and mauve with blues.</p>	<p>Alizarian Crimson Carmine Crimson lake Rose Madder (weaker than AZ)</p>
<p>*Cadmium Red or Cadmium red light (Warm red with orange undertones)</p> <p>**This color makes beautiful oranges when mixed with warm yellows.</p>	<p>Vermilion Scarlet Naphthol Red Bright Red/ Brilliant Red Pyrrole Red</p>
<p>Permanent Rose</p>	<p>Magenta</p>
<p>*Cadmium Yellow (warm yellow) Cadmium yellow medium/Cadmium yellow deep</p> <p>**This color makes beautiful oranges when mixed with warm reds or peach with cool reds</p>	<p>Gamboge Indian Yellow Permanent yellow deep</p>
<p>*Hansa Yellow Light (cool yellow)</p> <p>**This color makes bright greens when mixed with cool blues.</p>	<p>Lemon Yellow (cool yellow) Cadmium yellow light, pale or Cadmium Lemon</p>
<p>*Sap Green</p>	<p>Olive Green Hookers Green Phthalo Green + any warm yellow Cinnabar Green Deep</p>

Phthalo Green	Viridian Hue Intense Green Emerald Green Bamboo Green Permanent green deep
Green Gold (PY129)	Green Gold (PY150) Azo Green Lemon yellow + a touch of phthalo green Aureolin
Cobalt Teal (PG50)	Phthalo Blue + Phthalo Green + White
Dioxazine Purple/Violet	Phthalo Blue + Quin Rose
Mauve (PV19)	Quin Rose + Diox Purple
Cadmium Orange (PO20)	Pyrrole Orange (PO 71) Cadmium red + Cadmium Yellow
Naples Yellow (earthy pale yellow semi opaque)	Yellow ochre + white Raw sienna + white
*Yellow Ochre (earthy yellow)	Raw Sienna Raw Umber (if light and yellowish)
Burnt Umber (Pbr7)	Van Dyke Brown Burnt Sienna (if PBr7 pigment) Sepia Raw Umber (if dark like LUKAS brand)
Burnt Sienna (If PR101) (If Pbr7 pigment use Burnt Umber) *I recommend a PBr7 Burnt Sienna as essential	Transparent Red Oxide Red Ochre Indian Red English Red Venetian Red Light Red

Please note that there is color variations between brands however these colors should serve as fine substitutions with watercolor (and other media) painting.

The colors I recommend are in **bold print** with a * before them.

Color mixing tips are in blue next to **.

Common or recommend color is in the left column and denotes if the color (if a primary) is warm or cool. The substitutes on the right hand side will have the same undertone and similar tinting strength.

Find free watercolor tutorials on my [YouTube Channel: youtube.com/user/thefrugalcrafter](https://www.youtube.com/user/thefrugalcrafter) and on [my blog: thefrugalcrafter.wordpress.com](http://myblog.thefrugalcrafter.wordpress.com)

[My painting courses: lindsayweirich.teachable.com](http://lindsayweirich.teachable.com)