

## Properties and composition of Gamblin colors

Color Shade	Opacity	Composition
<b>Yellows</b>		
Cadmium Yellow light	■	Concentrated cadmium zinc sul de (PY35)
Cadmium Yellow Medium	■	Concentrated cadmium sul de (PY37)
Hansa Yellow Medium	▣	Arylide yellow (PY 74)
Indian Yellow Permanent	□	Diarylide yellow HR70 (PY83)
Naples Yellow light	■	Nickel Antimony Titanium Yellow (PY53),
Naples Yellow deep	■	Chrome Antimony Titanium Bu (PBr24)
<b>ORANGES</b>		
Cadmium Orange	■	Concentrated cadmium sulfo-selenide (PO20)
Mars Orange	■	Synthetic red iron oxide (PR101)
<b>REDS</b>		
Cadmium Red light	■	Concentrated cadmium sulfo-selenide (PR108)
Cadmium Red Medium	■	Concentrated cadmium sulfo-selenide (PR108)
Alizarin Crimson Permanent	□	Quinacridoneredb, perylenered, ultramarineblue (PV9, PR149, PB29)
Quinacridone Red	□	Quinacridone red b (PV 19)
Dragon's Blood	□	Perylene Red (PR149)
<b>VIOLETS</b>		
Cobalt Violet	▣	Cobalt phosphate (PV 14)
Dioxazine Purple	□	Carbazol dioxazine (PV 23)
Ultramarine Violet	□	Complex silicate of sodium & aluminum with sulfur (PV15)
<b>BLUES</b>		
Ultramarine Blue	□	Complex silicate of sodium & aluminum with sulfur (PB29)
Cobalt Blue	▣	Oxides of cobalt & aluminum (PB28)
Manganese Blue	□	Barium manganate (PB33)
Prussian Blue	▣	Ferri-ammonium ferrocyanide (PB27:1)
Phthalo Blue	□	Copper phthalocyanine (PB15:2)

All colors are made from the Aldedyde resin and solvent solution and the pigments listed. Modern organic pigments contain alumina hydrate to properly adjust tinting strength for better working properties. All colors available in 15 ml jars.

### SCHLÜSSEL DECKKRAFT:

Opaque: ■

Semi-transparente: ▣

Transparent: □

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<b>Greens</b>		
Viridian Green	<input type="checkbox"/>	Hydrated chromium oxide (PG18)
Cobalt Green	<input checked="" type="checkbox"/>	Oxides of cobalt & zinc (PG19)
Chromium Oxide Green	<input checked="" type="checkbox"/>	Chromium oxide green (PG 17)
Permanent Green light	<input checked="" type="checkbox"/>	Chlorinated copper phthalocyanine (PG7), Diarylide yellow HR70 (PY83),PY74)
Phthalo Green	<input type="checkbox"/>	Chlorinated copper phthalocyanine (PG7)
<b>Transparente Earths</b>		
Transparent Earth Yellow	<input type="checkbox"/>	Transparent Mars Yellow (PY42)
Transparent Earth Orange	<input type="checkbox"/>	Transparent Mars Yellow, Transparent Mars Red (PY42, PR101)
Transparent Earth Red	<input type="checkbox"/>	Transparent Mars Red (PR101)
Transparent Earth Brown	<input type="checkbox"/>	Transparent Mars Red (PR101)
<b>Earths</b>		
Raw Siena	<input checked="" type="checkbox"/>	Natural iron oxide (PBr7)
Burnt Siena	<input checked="" type="checkbox"/>	Calcined natural iron oxide (PBr7)
Raw Umber	<input checked="" type="checkbox"/>	Natural iron oxide containing manganese (PBr7)
Burnt Umber	<input checked="" type="checkbox"/>	Calcined natural iron oxide containing manganese (PBr7)
Greenish Umber	<input checked="" type="checkbox"/>	Natural iron oxide (PBr7), hydrated chromium oxide (PG18)
Brown madder Alizarin Permanent	<input checked="" type="checkbox"/>	"Calcined natural iron oxide containing manganese Quinacridone red, perylene red, ultramarine blue (PBr7, PV9, PR149, PB29)"
Indian Red	<input checked="" type="checkbox"/>	Synthetic red iron oxide (PR101)
Venetian Red	<input checked="" type="checkbox"/>	Synthetic red iron oxide (PR 101)
Yellow Ochre	<input checked="" type="checkbox"/>	Natural hydrated iron oxide (PY43)
<b>Blacks &amp; Whites</b>		
Ivory Black	<input checked="" type="checkbox"/>	Bone black (PBk9)
Lamp Black	<input type="checkbox"/>	Carbon black (PBk7)
Black Spinel	<input checked="" type="checkbox"/>	Copper chromite black spinel (PBk28)
Titanium White	<input checked="" type="checkbox"/>	Titanium dioxide (PW6)
Extender White	<input type="checkbox"/>	Calcium carbonate (PW 18)

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