

GOLDEN Name	Pigment Classification	Color Index Name	Chemical Description	Opacity/ Transparency	Lightfastness Rating	Permanency
Anthraquinone Blue	Organic	PB60	Indanthrone	Semi-Transparent	ASTM 1	Excellent
Bone Black	Inorganic	PBk9	Amorphous Carbon produced by charring animal bones	Semi-Transparent	ASTM 1	Excellent
Burnt Sienna	Inorganic	PBr7	Calcined Natural Iron Oxide	Semi-Opaque	ASTM 1	Excellent
Burnt Umber Light	Inorganic	PBr7	Calcined Natural Iron Oxide containing Manganese	Semi-Opaque	ASTM 1	Excellent
Carbon Black	Inorganic	PBk7	Nearly Pure Amorphous Carbon	Opaque	ASTM 1	Excellent
Cerulean Blue, Chromium	Inorganic	PB36	Cobalt Chromate Spinel	Semi-Opaque	ASTM 1	Excellent
Cerulean Blue Deep	Inorganic	PB36	Cobalt Chromate Spinel	Semi-Opaque	ASTM 1	Excellent
Chromium Oxide Green	Inorganic	PG17	Anhydrous Chromium Sesquioxide	Opaque	ASTM 1	Excellent
Cobalt Blue	Inorganic	PB28	Oxides of Cobalt and Aluminum	Semi-Transparent	ASTM 1	Excellent
Cobalt Turquoise	Inorganic	PB36	Cobalt Chromate Spinel	Semi-Opaque	ASTM 1	Excellent
Diarylide Yellow	Organic	PY83(HR70)	Diarylide Yellow HR70	Semi-Opaque	ASTM 1	Excellent
Dioxazine Purple	Organic	PV23	Carbazole Dioxazine	Transparent	ASTM 2	Very Good
Green Gold	Mixture	PY150 / PG36 / PY175	Nickel Complex Azo / Brominated and Chlorinated Copper Phthalocyanine / Benzimidazolone Yellow H6G	Transparent	ASTM 1	Excellent
Hansa Yellow Opaque	Organic	PY74	Arylide Yellow 5GX	Semi-Opaque	ASTM 1	Excellent
Jenkins Green	Mixture	PBk9 / PG36 / PY150	Amorphous Carbon produced by charring animal bones / Brominated and Chlorinated Copper Phthalocyanine / Nickel Complex Azo	Semi-Transparent	ASTM 1	Excellent
Naphthol Red Light	Organic	PR112	Naphthol AS-D	Semi-Transparent	ASTM 2	Very Good

Naphthol Red Medium	Organic	PR5	Naphthol ITR	Semi-Opaque	ASTM 2	Very Good
Nickel Azo Yellow	Organic	PY150	Nickel Complex Azo	Transparent	ASTM 1	Excellent
Payne's Gray	Mixture	PB29 / PBk7	Polysulfide of Sodium-Alumino-Silicate / Nearly Pure Amorphous Carbon	Semi-Transparent	ASTM 1	Excellent
Permanent Green Light	Mixture	PY175 / PG7 / PW6	Benzimidazolone Yellow H6G / Chlorinated Copper Phthalocyanine / Titanium Dioxide Rutile	Semi-Opaque	ASTM 1	Excellent
Permanent Violet Dark	Mixture	PR122 / PB60	Quinacridone / Indanthrone	Transparent	ASTM 1	Excellent
Phthalo Blue (Green Shade)	Organic	PB15:3	Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Phthalo Blue (Red Shade)	Organic	PB15:0	Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Phthalo Green (Blue Shade)	Organic	PG7	Chlorinated Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Phthalo Green (Yellow Shade)	Organic	PG36	Brominated and Chlorinated Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Pyrrole Orange	Organic	PO73	Diketopyrrole-pyrrole	Semi-Opaque	ASTM 1	Excellent
Pyrrole Red	Organic	PR254	Diketopyrrole-pyrrole	Semi-Opaque	ASTM 1	Excellent
Pyrrole Red Light	Organic	PR255	Diketopyrrole-pyrrole	Semi-Opaque	ASTM 1	Excellent
Quinacridone / Nickel Azo Gold	Organic	PY150 / PO48	Nickel Complex Azo / Quinacridone	Transparent	ASTM 1	Excellent
Quinacridone Magenta	Organic	PR122	Quinacridone	Transparent	ASTM 1	Excellent
Quinacridone Red	Organic	PV19	Quinacridone	Transparent	ASTM 1	Excellent
Quinacridone Violet	Organic	PV19	Quinacridone	Transparent	ASTM 1	Excellent
Raw Sienna	Inorganic	PY43	Natural Hydrated Iron Oxide	Semi-Transparent	ASTM 1	Excellent
Raw Umber	Inorganic	PBr7	Natural Iron Oxide containing Manganese	Semi-Opaque	ASTM 1	Excellent
Red Oxide	Inorganic	PR101	Synthetic Iron Oxide	Opaque	ASTM 1	Excellent
Teal	Mixture	PW6 / PG7 / PB15:3	Titanium Dioxide Rutile / Chlorinated Copper Phthalocyanine / Copper Phthalocyanine	Opaque	ASTM 1	Excellent

Titan Buff	Inorganic	PW6:1 / PW6	Titanium Dioxide Rutile / Titanium Dioxide Rutile	Semi- Opaque	ASTM 1	Excellent
Titanium White	Inorganic	PW6	Titanium Dioxide Rutile	Semi- Opaque	ASTM 1	Excellent
Transparent Red Iron Oxide	Inorganic	PR101	Synthetic Iron Oxide	Transparent	ASTM 1	Excellent
Transparent Yellow Iron Oxide	Inorganic	PY42	Synthetic Hydrated Iron Oxide	Transparent	ASTM 1	Excellent
Turquoise (Phthalo)	Mixture	PG7 / PB15:3	Chlorinated Copper Phthalocyanine / Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Ultramarine Blue	Inorganic	PB29	Polysulfide of Sodium- Alumino-Silicate	Semi- Transparent	ASTM 1	Not for Exterior Use
Ultramarine Violet	Inorganic	PV15	Polysulfide of Sodium- Alumino-Silicate	Transparent	ASTM 1	Not for Exterior Use
Vat Orange	Organic	PO43	Perinone Orange	Semi- Opaque	ASTM 1	Excellent
Violet Oxide	Inorganic	PR101	Synthetic Iron Oxide	Opaque	ASTM 1	Excellent
Yellow Ochre	Inorganic	PY43	Natural Hydrated Iron Oxide	Semi- Opaque	ASTM 1	Excellent
Yellow Oxide	Inorganic	PY42	Synthetic Hydrated Iron Oxide	Semi- Opaque	ASTM 1	Excellent
Zinc White	Inorganic	PW4	Zinc Oxide	Transparent	ASTM 1	Excellent
Primary Cyan	Mixture	PB15:3 / PW6	Copper Phthalocyanine / Titanium Dioxide Rutile	Semi- Opaque	ASTM 1	Excellent
Primary Magenta	Organic	PV19	Quinacridone	Semi- Opaque	ASTM 1	Excellent
Primary Yellow	Organic	PY175 / PW6 / PY74	Benzimidazolone Yellow H6G / Titanium Dioxide Rutile / Arylide Yellow 5GX	Semi- Transparent	ASTM 1	Excellent
Cadmium Red Medium Hue	Organic	PR112 / PR5	Naphthol AS-D / Naphthol ITR	Semi- Transparent	ASTM 2	Very Good
Cadmium Yellow Medium Hue	Organic	PY74 / PY175 / PY83(HR70)	Arylide Yellow 5GX / Benzimidazolone Yellow H6G / Diarylide Yellow HR70	Semi- Opaque	ASTM 1	Excellent
India Yellow Hue	Organic	PY150 / PY175 / PR122	Nickel Complex Azo / Benzimidazolone Yellow H6G / Quinacridone	Transparent	ASTM 1	Excellent
Alizarin Crimson Hue	Organic	PR122 / PY150 / PG7	Quinacridone / Nickel Complex Azo / Chlorinated Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Manganese Blue Hue	Mixture	PW6 / PB15:3 / PG7	Titanium Dioxide Rutile / Copper Phthalocyanine / Chlorinated Copper Phthalocyanine	Semi- Transparent	ASTM 1	Excellent

Prussian Blue Hue	Mixture	PBk9 / PB15:0 / PV23	Amorphous Carbon produced by charring animal bones / Copper Phthalocyanine / Carbazole Dioxazine	Semi-Transparent	ASTM 2	Very Good
Viridian Green Hue	Mixture	PW6 / PB15:3 / PY150 / PBr7	Titanium Dioxide Rutile / Copper Phthalocyanine / Nickel Complex Azo / Natural Iron Oxide containing Manganese	Semi-Transparent	ASTM 1	Excellent
Sap Green Hue	Mixture	PR101 / PG36 / PY150 / PBk7	Synthetic Iron Oxide / Brominated and Chlorinated Copper Phthalocyanine / Nickel Complex Azo / Nearly Pure Amorphous Carbon	Transparent	ASTM 1	Excellent
Naples Yellow Hue	Mixture	PW6:1 / PW6 / PY42 / PY83(HR70)	Titanium Dioxide Rutile / Titanium Dioxide Rutile / Synthetic Hydrated Iron Oxide / Diarylide Yellow HR70	Semi-Opaque	ASTM 1	Excellent
Van Dyke Brown Hue	Mixture	PR101 / PBk7	Synthetic Iron Oxide / Nearly Pure Amorphous Carbon	Semi-Opaque	ASTM 1	Excellent
Benzimidazolone Yellow Medium	Synthetic Organic	PY154	Benzimidazolone Yellow H3G	Semi-Transparent	ASTM 1	Excellent
Benzimidazolone Yellow Light	Synthetic Organic	PY175	Benzimidazolone Yellow H6G	Transparent	ASTM 1	Excellent
Titan Green Pale	Mixture	PW6 / PY42 / PBr7 / PG7	Titanium Dioxide Rutile / Synthetic Hydrated Iron Oxide / Natural Iron Oxide containing Manganese / Chlorinated Copper Phthalocyanine	Opaque	ASTM 1	Excellent
Cobalt Teal	Synthetic Inorganic	PG50	Oxides of Cobalt and Titanium	Semi-Opaque	ASTM 1	Excellent