

GOLDEN Name	Pigment Classification	Color Index Name	Chemical Description	Opacity/ Transparency	Lightfastness Rating	Permanency
Alizarin Crimson Hue	Mixture	PR122 / PY150 / PG7	Quinacridone / Nickel Complex Azo / Chlorinated Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Anthraquinone Blue	Organic	PB60	Indanthrone	Semi- Transparent	ASTM 1	Excellent
Burnt Sienna	Inorganic	PBr7	Calcined Natural Iron Oxide	Semi-Opaque	ASTM 1	Excellent
Carbon Black	Inorganic	PBk7	Nearly Pure Amorphous Carbon	Opaque	ASTM 1	Excellent
Cerulean Blue Hue	Mixture	PW6 / PB15:0 / PG7	Titanium Dioxide Rutile / Copper Phthalocyanine / Chlorinated Copper Phthalocyanine	Opaque	ASTM 1	Excellent
Diarylide Yellow	Organic	PY83(HR70)	Diarylide Yellow HR70	Semi-Opaque	ASTM 1	Excellent
Green Gold	Mixture	PY150 / PG36 / PY175	Nickel Complex Azo / Brominated and Chlorinated Copper Phthalocyanine / Benzimidazolone Yellow H6G	Transparent	ASTM 1	Excellent
Naphthol Red Light	Inorganic	PR112	Naphthol AS-D	Semi-Opaque	ASTM 2	Very Good

N5 Neutral Gray	Mixture	PW6 / PBk9 / PBr7	Titanium Dioxide Rutile / Amorphous Carbon produced by charring animal bones / Calcined Natural Iron Oxide	Opaque	ASTM 1	Excellent
Nickel Azo Yellow	Mixture	PY150	Nickel Complex Azo	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	Semi-Transparent	ASTM 1	Excellent
Phthalo Blue (Green Shade)	Organic	PB15:3	Copper Phthalocyanine	Semi-Transparent	ASTM 1	Excellent
Phthalo Green (Blue Shade)	Organic	PG7	Chlorinated Copper Phthalocyanine	Semi-Transparent	ASTM 1	Excellent
Pyrrole Orange	Organic	PO73	Diketopyrrole-pyrrole	Semi-Opaque	ASTM 1	Excellent
Quinacridone Magenta	Organic	PR122	Quinacridone	Transparent	ASTM 1	Excellent
Quinacridone Red	Organic	PV19	Quinacridone	Semi-Transparent	ASTM 1	Excellent
Quinacridone / Nickel Azo Gold	Mixture	PY150 / PO48	Nickel Complex Azo / Quinacridone	Transparent	ASTM 1	Excellent

Raw Sienna	Inorganic	PY43	Natural Hydrated Iron Oxide	Semi-Opaque	ASTM 1	Excellent
Raw Umber	Inorganic	PBr7	Natural Iron Oxide containing Manganese	Opaque	ASTM 1	Excellent
Sap Green Hue	Mixture	PY150 / PG36 / PBk7 / PR101	Nickel Complex Azo / Brominated and Chlorinated Copper Phthalocyanine / Nearly Pure Amorphous Carbon / Synthetic Iron Oxide	Opaque	ASTM 1	Excellent
Sepia	Mixture	PR101 / PY150 / PBk7	Synthetic Iron Oxide / Nickel Complex Azo / Nearly Pure Amorphous Carbon	Semi-Transparent	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

Turquoise (Phthalo)	Mixture	PG7 / PB15:3	Chlorinated Copper Phthalocyanine / Copper Phthalocyanine	Semi-Transparent	ASTM 1	Excellent
Ultramarine Blue	Inorganic	PB29	Polysulfide of Sodium-Alumino-Silicate	Semi-Transparent	ASTM 1	Not for Exterior Use
Yellow Oxide	Inorganic	PY42	Synthetic Hydrated Iron Oxide	Semi-Opaque	ASTM 1	Excellent
Transparent Dioxazine Purple	Organic	PV23	Carbazole Dioxazine	Transparent	ASTM 2	Very Good
Transparent Naphthol Red Light	Organic	PR112	Naphthol AS-D	Transparent	ASTM 2	Very Good
Transparent Phthalo GS	Organic	PB15:3	Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Transparent Phthalo Green BS	Organic	PG7	Chlorinated Copper Phthalocyanine	Transparent	ASTM 1	Excellent
Transparent Quinacridone Red	Organic	PV19	Quinacridone	Transparent	ASTM 1	Excellent
Transparent Brown Iron Oxide	Mixture	PR101 / PY42 / PBk7	Synthetic Iron Oxide / Synthetic Hydrated Iron Oxide / Nearly Pure Amorphous Carbon	Transparent	ASTM 1	Excellent
Transparent Red Iron Oxide	Inorganic	PR101	Synthetic Iron Oxide	Transparent	ASTM 1	Excellent
Transparent Shading Gray	Inorganic	PBk7	Nearly Pure Amorphous Carbon	Transparent	ASTM 1	Excellent
Transparent Yellow Iron Oxide	Inorganic	PY42	Synthetic Hydrated Iron Oxide	Transparent	ASTM 1	Excellent
Fluorescent Blue	Organic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor

Fluorescent Chartreuse	Organic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
Fluorescent Green	Organic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
Fluorescent Orange	Organic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
Fluorescent Pink	Organic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
Iridescent Copper (Fine)	Inorganic	N/A	Iron Oxide Coated Mica Particles	Semi-Opaque		1 Excellent
Iridescent Gold (Fine)	Inorganic	N/A	Titanium Dioxide and Iron Oxide Coated Mica Particles	Semi-Transparent		1 Excellent
Iridescent Silver (Fine)	Inorganic	N/A / PBk7	Titanium Dioxide coated Mica particles / Nearly Pure Amorphous Carbon	Semi-Transparent		1 Excellent
Iridescent Pearl (Fine)	Inorganic	N/A	Titanium Dioxide coated Mica particles	Semi-Transparent		1 Excellent
Transparent Benzimidazolone Yellow Medium	Synthetic Organic	PY154	Benzimidazolone Yellow H3G	Transparent	ASTM 1 - Excellent	Excellent
Benzimidazolone Yellow Light	Synthetic Organic	PY175	Benzimidazolone Yellow H6G	Semi-Opaque	ASTM 1	Excellent
Benzimidazolone Yellow Medium	Synthetic Organic	PY154	Benzimidazolone Yellow H3G	Semi-Opaque	ASTM 1	Excellent

Burnt Umber	Natural Inorganic	PBr7	Calcined Natural Iron Oxide containing Manganese	Semi-Opaque	ASTM 1 - Excellent	Excellent
Chromium Oxide Green	Synthetic Inorganic	PG17	Anhydrous Chromium Sesquioxide	Semi-Opaque	ASTM 1 - Excellent	Excellent
Cobalt Blue	Synthetic Inorganic	PB28	Oxides of Cobalt and Aluminum	Semi-Transparent	ASTM 1 - Excellent	Excellent
Cobalt Turquoise	Synthetic Inorganic	PB36	Cobalt Chromate Spinel	Semi-Opaque	ASTM 1 - Excellent	Excellent
Dioxazine Purple	Synthetic Inorganic	PV23	Carbazole Dioxazine	Transparent	ASTM 2 - Very Good	Very Good
Fluorescent Magenta	Synthetic Inorganic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
Fluorescent Orange-Yellow	Synthetic Inorganic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
Fluorescent Violet	Synthetic Inorganic	N/A	Dyed Polymer Particles	Transparent	ASTM 5 - Very Poor	Very Poor
India Yellow Hue	Synthetic Organic (Mixture)	PY150 / PY175 / PR122	Nickel Complex Azo / Benzimidazolone Yellow H6G / Quinacridone	Transparent	ASTM 1 - Excellent	Excellent
Interference Gold (Fine)	Inorganic	N/A	Titanium Dioxide Coated Mica Particles	Transparent	1 - Excellent	Excellent
Interference Blue (Fine)	Inorganic	N/A	Titanium Dioxide Coated Mica Particles	Transparent	1 - Excellent	Excellent

Iridescent Bright Gold (Fine)	Mixture	N/A / PY150 / PR101	Titanium Dioxide and Iron Oxide Coated Mica Particles / Nickel Complex Azo / Synthetic Iron Oxide	Transparent	1 - Excellent	Excellent
Iridescent Bronze (Fine)	Mixture	N/A / PG7	Iron Oxide Coated Mica Particles / Chlorinated Copper Phthalocyanine	Semi-Opaque	1 - Excellent	Excellent
Iridescent Gold Deep (Fine)	Inorganic	N/A	Titanium Dioxide and Iron Oxide Coated Mica Particles	Transparent	1 - Excellent	Excellent
Light Magenta	Mixture	PW6 / PR112	Titanium Dioxide Rutile / Naphthol AS-D	Semi-Opaque	ASTM 2 - Very Good	Very Good
Light Phthalo Blue	Mixture	PW6 / PB15:3	Titanium Dioxide Rutile / Copper Phthalocyanine	Semi-Opaque	ASTM 1 - Excellent	Excellent
Light Phthalo Green	Mixture	PW6 / PG36	Titanium Dioxide Rutile / Brominated and Chlorinated Copper Phthalocyanine	Semi-Opaque	ASTM 1 - Excellent	Excellent

Light Ultramarine Blue	Mixture	PW6 / PB29	Titanium Dioxide Rutile / Polysulfide of Sodium-Alumino-Silicate	Semi-Opaque	ASTM 1 - Excellent	Excellent
Mars Black	Synthetic Inorganic	PBk11	Synthetic Black Iron Oxide	Transparent	ASTM 1 - Excellent	Excellent
Medium Magenta	Mixture	PW6 / PR122	Titanium Dioxide Rutile / Quinacridone	Semi-Opaque	ASTM 1 - Excellent	Excellent
N8 Neutral Gray	Mixture	PW6 / PBk7 / PR101 / PY42	Titanium Dioxide Rutile / Nearly Pure Amorphous Carbon / Synthetic Iron Oxide / Synthetic Hydrated Iron Oxide	Semi-Opaque	ASTM 1 - Excellent	Excellent
Naphthol Pink	Mixture	PW6 / PR112	Titanium Dioxide Rutile / Naphthol AS-D	Semi-Opaque	ASTM 2 - Very Good	Very Good
Naphthol Red Medium	Synthetic Organic	PR5	Naphthol ITR	Semi-Transparent	ASTM 2 - Very Good	Very Good
Payne's Gray	Mixture	PB29 / PBk7	Polysulfide of Sodium-Alumino-Silicate / Nearly Pure Amorphous Carbon	Semi-Transparent	ASTM 1 - Excellent	Excellent
Phthalo Blue (Red Shade)	Organometallic	PB15:0	Copper Phthalocyanine	Transparent	ASTM 1 - Excellent	Excellent
Phthalo Green (Yellow Shade)	Organometallic	PG36	Brominated and Chlorinated Copper Phthalocyanine	Transparent	ASTM 1 - Excellent	Excellent

Primary Cyan	Mixture	PB15:3 / PW6	Copper Phthalocyanine / Titanium Dioxide Rutile	Transparent	ASTM 1 - Excellent	Excellent
Primary Magenta	Synthetic Organic	PV19	Quinacridone	Semi-Transparent	ASTM 1 - Excellent	Excellent
Primary Yellow	Synthetic Organic	PY175 / PW6 / PY74	Benzimidazolone Yellow H6G / Titanium Dioxide Rutile / Arylide Yellow 5GX	Semi-Transparent	ASTM 1 - Excellent	Excellent
Prussian Blue Hue	Mixture	PB15:0 / PBk7 / PV23	Copper Phthalocyanine / Nearly Pure Amorphous Carbon / Carbazole Dioxazine	Transparent	ASTM 2 - Very Good	Very Good
Pyrrole Red	Synthetic Organic	PR254	Diketopyrrole-pyrrole	Semi-Opaque	ASTM 1 - Excellent	Excellent
Titan Green Pale	Mixture	PW6 / PY42 / PBr7 / PG7	Titanium Dioxide Rutile / Synthetic Hydrated Iron Oxide / Natural Iron Oxide containing Manganese / Chlorinated Copper Phthalocyanine	Semi-Opaque	ASTM 1 - Excellent	Excellent
Titan Mars Pale	Mixture	PW6 / PBr6	Titanium Dioxide Rutile / Mixture of Synthetic Iron Oxides	Semi-Opaque	ASTM 1 - Excellent	Excellent

Titan Violet Pale	Mixture	PW6 / PR101	Titanium Dioxide Rutile / Synthetic Iron Oxide	Semi-Opaque	ASTM 1 - Excellent	Excellent
Viridian Green Hue	Mixture	PW6 / PB15:3 / PBr7 / PY150	Titanium Dioxide Rutile / Copper Phthalocyanine / Natural Iron Oxide containing Manganese / Nickel Complex Azo	Semi- Transparent	ASTM 1 - Excellent	Excellent
Light Green (Yellow Shade)	Mixture	PY74 / PW6 / PG36	Arylide Yellow 5GX / Titanium Dioxide Rutile / Brominated and Chlorinated Copper Phthalocyanine	Semi- Transparent	ASTM 1 - Excellent	Excellent
Yellow Ochre	Natural Inorganic	PY43	Natural Hydrated Iron Oxide	Semi- Transparent	ASTM 1 - Excellent	Excellent