

RGH Artists' Oil Paints, Inc.

PIGMENT IDENTIFICATION CHART

All our products conform to the specifications outlined in ASTM D-4236.
ASTM is the American Society for Testing and Materials.

Explanation of Pigment Chart

Permanency Scale: Pigments have been given a permanency rating by the American Society for Testing and Materials in their text *Artists' Oil and Artists' Acrylic Emulsion Paints*. The ratings are as follows: 1. (Excellent), 2. (Very Good), 3. (Good), 4. (Fair), 5. (Poor).

Transparency/Opacity Scale: 1. (Most Opaque) to 8. (Most Transparent)

Color Index Name: Manufacturers of pigments throughout the world have their products assessed and given a Color Index Name. This is an international code.

Safety Advice: The handling of artists' paints and pigments (especially pigments) can pose hazards to one's health. We urge you to use extra caution with the following colors:

All cobalts, cadmiums, vermillions, phthalo blues and greens, Indian yellow, titanium yellow, and flake white are extremely hazardous if ingested. All other colors pose a moderate health hazard and should be used with normal care. Avoid ingesting any of the paints and pigments.

None of our products should be used by children, pregnant women, or people with certain mental and physical disabilities.

NO.	COLOR	PERMANENCY	OPACITY/ TRANSPARENCY	COLOR INDEX NO.	CHEMICAL DESCRIPTION
1.	Alizarin Crimson	Fair	6	PR-83	Anthraquinone alumina hydrate
2.	Alizarin Golden	Fair	6	PR-83	Anthraquinone hydrate
3.	Azo Alizarin Transparent	Exc.	4	PR-187	Monoazo barium salt
4.	Azo Burnt Orange Transparent	Exc.	4	PO-38	Monoazo barium salt
5.	Azo Red Transparent	Good	4	PR-62	Monoazo barium salt
6.	Baroque Red	Exc.	5	PR-101	Iron oxide hydrate
7.	Blue Ochre	Exc.	2	PY-43, PB-29	Ferrous phosphate

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8.	Blue Oxide Transparent	Exc.	5	PY-42	Iron oxide hydrate / copper phthalocyanine
9.	Blue Violet Deep	Exc.	4	PB-29	Sodium alumino-silicate
10.	Brown Ochre	Exc.	3	PBR-7	Synthetic iron oxide
11.	Burnt Siena	Exc.	3	PBR-7	Calcined natural iron oxide
12.	Burnt Umber	Exc.	2	PBR-7	Calcined natural iron oxide
13.	Cadmium Brown	Exc.	3	PB-36	Cadmium sulphide
14.	Cadmium Green Deep	Exc.	4	PY-35	Cadmium sulphide
15.	Cadmium Green Light	Exc.	4	PY-35	Cadmium sulphide and hydrous
16.	Cadmium Orange	Exc.	3	PO-20	Cadmium (sulpho-selenide)
17.	Cadmium Red Dark	Exc.	3	PR-108	Cadmium (sulpho-selenide)
18.	Cadmium Red Gold	Exc.	3	PR-108	Cadmium (sulpho-selenide)
19.	Cadmium Red Light	Exc.	3	PR-108	Cadmium (sulpho-selenide)
20.	Cadmium Red Maroon	Exc.	3	PR-108	Cadmium (sulpho-selenide)
21.	Cadmium Red Med.	Exc.	3	PR-108	Cadmium (sulpho-selenide)
22.	Cadmium Red Purple	Exc.	3	PR-108	Cadmium (sulpho-selenide)
23.	Cadmium Yellow Deep	Exc.	4	PY-37	Cadmium sulphide
24.	Cadmium Yellow Extra Deep	Exc.	4	PY-37	Cadmium Sulphide
25.	Cadmium Yellow Lemon	Exc.	4	PY-35	Cadmium sulphide
26.	Cadmium Yellow Light	Exc.	4	PY-35	Cadmium sulphide
27.	Cadmium Yellow Med.	Exc.	4	PY-37	Cadmium sulphide
28.	Cadmium Yellow Primrose	Exc.	4	PY-35	Cadmium Sulphide
29.	Carbazole Violet	V. Good	5	PV-23	Carbazole Dioxazine
30.	Cerulean Blue	Exc.	3	PB-35	Cobalt aluminate

NO.	COLOR	PERMANENCY	OPACITY/ TRANSPARENCY	COLOR INDEX NO.	CHEMICAL DESCRIPTION
31.	Cerulean Blue Light	Exc.	3	PB-28	Cobalt luminate
32.	Charcoal Black	Exc.	4	PBK-7	Carbon
33.	Chromium Oxide Green	Exc.	1	PG-17	Chrome oxide
34.	Cobalt Blue	Exc.	3	PB-28	Oxide of cobalt and aluminum
35.	Cobalt Blue Black	Exc.	2	PB-37	Cobalt spinel
36.	Cobalt Green	Exc.	2	PG-50	Oxide of cobalt
37.	Cobalt Turquoise Deep	Exc.	3	PG-50	Cobalt Titanate
38.	Cobalt Turquoise Light	Exc.	3	PG-50	Cobalt titanate
39.	Emerald Green	Good	6	PY-3	Chloroacetoacentanilide
40.	Flake White	Exc.	2	PW-1	Lead carbonate
41.	Flake White + Mica	Exc.	2	PW-1	Lead carbonate
42.	Flake White Extra Fine	Exc.	2	PW-1	Lead carbonate
43.	Golden Ochre	Exc.	3	PY-43	Synthetic iron oxide
44.	Green Earth	Exc.	4	PG-19	Oxide of cobalt
45.	Green Gold Transparent	Exc.	6	PY-87	Disazo
46.	Green Ochre	Exc.	3	PY-43	Synthetic iron oxide
47.	Green Oxide Transparent	Exc.	5	PY-42	Iron oxide hydrate / polychloro phthalocyanine
48.	Hansa Yellow Deep	V. Good	6	PY-3	Chloroacetoacentanilide
49.	Hansa Yellow Light	V. Good	6	PY-3	Chloroacetoacentanilide
50.	Indian Gold Transparent	Fair	6	PY-87	Disazo
51.	Indian Red Deep	Exc.	2	PR-101	Synthetic iron oxide
52.	Indian Yellow Transparent	Fair	6	PY-87	Disazo
53.	Indigo Blue	Exc.	4	PB-29	Polysulphide sodium silicate

NO.	COLOR	PERMANENCY	OPACITY/ TRANSPARENCY	COLOR INDEX NO.	CHEMICAL DESCRIPTION
54.	Ivory Black	Exc.	2	PBK-9	Carbonized bones.
55.	Lemon Ochre	Exc.	2	PY-53	Nickel oxide
56.	Mars Black	Exc.	1	PBK-11	Synthetic iron oxide
57.	Mars Brown	Exc.	3	PBR-7	Synthetic iron oxide
58.	Mars Orange	Exc.	3	PY-43	Synthetic iron oxide
59.	Mars Red	Exc.	2	PR-101	Synthetic iron oxide
60.	Mars Violet	Exc.	1	PR-101	Synthetic iron oxide
61.	Mars Yellow Deep	Exc.	2	PY-42	Synthetic hydrated iron oxide
62.	Mars Yellow Light	Exc.	2	PY-42	Synthetic hydrated iron oxide
63.	Mauve Umber	Exc.	3	PBR-7	Synthetic iron oxide
64.	Naphthol Red Dark	Exc.	4	PR-170	Monoazo
65.	Naples Yellow	Exc.	3	PY-41	Inorganic
66.	Olive Green	Good	6	PY-3	Chloroacetoacetanilide
67.	Orange Oxide Transparent	Exc.	5	PY-42	Iron oxide hydrate
68.	Permanent Green	Exc.	3	PG-50	Oxide of cobalt
69.	Phthalo Blue GS	Exc.	4	PB-15:1	Copper phthalocyanine
70.	Phthalo Blue RS	Exc.	4	PB-15:1	Copper phthalocyanine
71.	Phthalo Green	Exc.	4	PG-7	Polychloro copper phthalocyanine
72.	Phthalo Green YS	Exc.	4	PG-7	Polychloro phthalocyanine
73.	Prussian Blue	Exc.	6	PB-27	Inorganic
74.	Purple Madder	Exc.	3	PR-7	Monoazo
75.	Quinacridone Magenta	Exc.	4	PR-202	Quinacridone
76.	Quinacridone Red	Exc.	4	PR-207	Quinacridone

No.	COLOR	PERMANENCY	OPACITY/ TRANSPARENCY	COLOR INDEX NO.	CHEMICAL DESCRIPTION
77.	Quinacridone Red Gold	Exc.	4	PR-207	Quinacridone
78.	Quinacridone Violet	Exc.	4	PV-19	Quinacridone
79.	Quinacridone Violet Deep	Exc.	4	PV-19	Quinacridone
80.	Raw Siena	Exc.	4	PBR-7	Synthetic iron oxide
81.	Raw Umber	Exc.	2	PBR-7	Synthetic iron oxide containing manganese
82.	Red Oxide Transparent	Exc.	5	PR-101	Iron oxide hydrate
83.	Sap Green	Exc.	6	PG-19	Oxide of cobalt
84.	Sepia Transparent	Exc.	5	PR-101	Iron oxide hydrate
85.	Terra Rosa	Exc.	2	PR-101	Synthetic iron oxide
86.	Titanium White	Exc.	2	PW-6	Titanium dioxide
87.	Titanium Yellow	Exc.	3	PY-53	Titanium dioxide
88.	Titanium/Zinc White	Exc.	3	PW-6, PW-4	Titanium dioxide-rutile, zinc oxide
89.	Turkey Umber	Exc.	3	PBR-7	Synthetic iron oxide
90.	Ultramarine Blue	Exc.	4	PB-29	Polysulphide of sodium-alumino-silicate
91.	Ultramarine Blue/RS	Exc.	4	PB-29	Polysulphide of sodium-alumino-silicate
92.	Ultramarine Green	Exc.	4	PB-29	Polysulphide sodium silicate
93.	Ultramarine Violet	Exc.	4	PV-15	Polysulphide of sodium-alumino-sulphate
94.	Unbleached Titanium	Exc.	2	PW-6	Titanium dioxide
95.	Venetian Red	Exc.	2	PR-101	Synthetic iron oxide
96.	Vermillion	Exc.	3	PR-106	Mercury sulphide
97.	Viridian	Exc.	4	PG-18	Hydrous chromic oxide
98.	Yellow Ochre	Exc.	3	PY-43	Synthetic iron oxide
99.	Yellow Oxide Transparent	Exc.	5	PY-42	Iron oxide hydrate

NO.	COLOR	PERMANENCY	OPACITY/ TRANSPARENCY	COLOR INDEX NO.	CHEMICAL DESCRIPTION
100.	Zinc White	Exc.	5	PW-4	Zinc oxide
New Colors					
101.	Graphite Grey	Exc.	3	PBLK-10	Carbon
102.	Mercadium Red Maroon	Exc.	3	PR-113	Cadmium selenium+Cadmium mercury
103.	Maroon red Oxide Transparent	Exc.	5	PR-101	Hydrated iron oxide
104.	Permanent Carmine	Exc.	3	PR-148	Monoazo
105.	Quinacridone Red Violet	Exc.	4	PV-19	Quinacridone
106.	Burnt Umber Dark	Exc.	2	PBR-7	Calcined Natural Iron Oxide
107.	Pyroline Ruby Red	V. Good	4	PR-57.1	Monoazo
108.	Permanent Red Rubine	V. Good	4	PR-184	Monoazo
109.	Manganese Black	Exc.	4	PBLK-14	Manganese-Inorganic