

<p>W101 Titanium White Non-Staining Opaque PW6 No Excellent</p>	<p>W103 Chinese White Non-Staining Semi-Opaque PW4, PW6 No Excellent</p>	<p>W102 Warm White Medium Semi-Opaque PW6, PW4, PY43 No Excellent</p>	<p>W104 Warm Light Yellow Low Semi-Opaque PW6, PW4, PY43 No Excellent</p>	<p>W105 Warm Yellow Low Semi-Opaque PW6, PW4, PY83 No Very Good</p>	<p>W108 Lemon Yellow Low Semi-Transparent PY175 No Excellent</p>	<p>W109 Bright Yellow Lake Medium Semi-Transparent PY3 No Very Good</p>	<p>W401 Cadmium Yellow Lemon High Semi-Opaque PY35 Yes Excellent</p>	<p>W224 Yellow Benzimidazolone Medium Semi-Transparent PY151 No Excellent</p>	<p>W110 Yellow Lake High Semi-Transparent PY180 No Excellent</p>	<p>W231 Hansa Yellow Mediom Low Semi-Transparent PY97 No Excellent</p>	<p>W402 Cadmium Yellow Medium Semi-Opaque PY35 No Excellent</p>
<p>W403 Cadmium Golden Yellow Medium Semi-Opaque PY35 No Excellent</p>	<p>W203 Indian Yellow High Transparent PY83 No Very Good</p>	<p>W204 Indian Yellow Red Shade Medium Semi-Transparent PY83, PR101 No Very Good</p>	<p>W404 Cadmium Yellow Deep Medium Semi-Opaque PY35 No Excellent</p>	<p>W202 Yellow Lake Deep High Semi-Opaque PY139 No Very Good</p>	<p>W238 Brilliant Orange Low Transparent P062 No Excellent</p>	<p>W405 Cadmium Orange High Semi-Opaque P020 Yes Excellent</p>	<p>W222 Permanent Orange Medium Semi-Opaque P073 Yes Excellent</p>	<p>W223 Orange Benzimidazolone Low Semi-Transparent P036.1 No Excellent</p>	<p>W221 Orange Sunset High Semi-Transparent P034 Yes Excellent</p>	<p>W205 Scarlet Lake Light Medium Semi-Opaque PR188 No Very Good</p>	<p>W406 Cadmium Red Light Medium Semi-Opaque PR108 No Excellent</p>
<p>W210 Rich Scarlet Medium Semi-Transparent PR112 No Very Good</p>	<p>W153 Scarlet Lake Medium Semi-Transparent PR170 Yes Excellent</p>	<p>W407 Cadmium Red Medium Semi-Opaque PR108 Yes Excellent</p>	<p>W217 Pyrrole Red High Semi-Transparent PR254 Yes Excellent</p>	<p>W305 Rose Doré Medium Semi-Transparent PY97, PY19 No Excellent</p>	<p>W310 Perylene Crimson Medium Semi-Transparent PR149 No Very Good</p>	<p>W408 Cadmium Red Deep Medium Semi-Opaque PR108 Yes Excellent</p>	<p>W236 Pyrrole Crimson Medium Semi-Transparent PR264 No Excellent</p>	<p>W314 Cinquasia Maroon Medium Semi-Transparent PR206 No Excellent</p>	<p>W306 Perrindo Maroon High Transparent PR179 Yes Very Good</p>	<p>W501 Rose Madder Low Transparent NR9 Yes Fugitive</p>	<p>W152 Alizarin Crimson Medium Transparent PR83 No Fugitive</p>
<p>W210 Alizarin Claret Medium Transparent PR177 Yes Excellent</p>	<p>W211 Quinacridone Rose Medium Very Good Transparent PV19 Yes Very Good</p>	<p>W313 Quinacridone Coral Medium Very Good Transparent PR209 No Very Good</p>	<p>W207 Brilliant Pink Medium Semi-Opaque PW6, PW4, PR112, PR122 No Excellent</p>	<p>W220 Opera Rose Medium Good Semi-Transparent PR122, Fluorescent Pink Yes Good</p>	<p>W213 Magenta Medium Excellent Transparent PR122 No Excellent</p>	<p>W209 Amethyst Medium Excellent Transparent PR122, PB29 Yes Excellent</p>	<p>W413 Cobalt Violet Light Low Very Good Semi-Opaque PV14 Yes Very Good</p>	<p>W234 Wisteria Low Very Good Semi-Opaque PW6, PR122, PB29 No Very Good</p>	<p>W206 Manganese Violet Low Very Good Semi-Opaque PV16 Yes Very Good</p>	<p>W302 Potters Pink Low Excellent Semi-Opaque PR253 Yes Excellent</p>	<p>W166 Corinthian Purple Non-Staining Transparent PR112, PB29, PV23 No Very Good</p>
<p>W309 Quinacridone Purple Medium Excellent Semi-Transparent PV55 No Excellent</p>	<p>W307 Perylene Violet Medium Excellent Semi-Transparent PV29 No Excellent</p>	<p>W168 Belladonna Non-Staining Semi-Transparent PV23, PR112, PB29 Yes Very Good</p>	<p>W107 Ultramarine Violet Low Excellent Transparent PV15 Yes Excellent</p>	<p>W219 Imperial Purple Medium Excellent Transparent PB29, PV19 Yes Excellent</p>	<p>W144 Deep Purple (Dioxazine) High Excellent Transparent PV23 Yes Excellent</p>	<p>W215 Indanthrone Blue High Excellent Transparent PB60 No Excellent</p>	<p>W137 Phthalocyanine Blue Lake High Excellent Transparent PB15.3 Yes Excellent</p>	<p>W139 Phthalo Blue Red Shade High Excellent Transparent PB15.1 Yes Excellent</p>	<p>W112 Prussian Blue Medium Excellent Transparent PB27 Yes Excellent</p>	<p>W412 Cobalt Blue Deep Medium Excellent Semi-Transparent PB74 Yes Excellent</p>	<p>W411 Cobalt Blue Medium Excellent Semi-Transparent PB28 No Excellent</p>
<p>W201 Ultramarine Blue Medium Excellent Transparent PB29 Yes Excellent</p>	<p>W233 Blue Verditer Low Excellent Semi-Transparent PB28, PW4, PB36 Yes Excellent</p>	<p>W502 Lapis Lazuli (Afghan) Subject to Availability Low Very Good Semi-Transparent Natural Earth Yes Very Good</p>	<p>W114 Sky Blue (Phthalo) Medium Excellent Semi-Transparent PW4, PB15.3 No Excellent</p>	<p>W312 Cerulean Blue Low Excellent Opaque PB36 Yes Excellent</p>	<p>W149 Pale Violet Low Excellent Semi-Transparent PW6, PW4, PB29, PV23 Yes Excellent</p>	<p>W235 Lavender Low Excellent Opaque PW6, PV15, PB29 Yes Excellent</p>	<p>W142 Kings Blue Deep Low Excellent Opaque PW6, PW4, PB29 Yes Excellent</p>	<p>W141 Kings Blue Light Low Excellent Opaque PW6, PW4, PB29 Yes Excellent</p>	<p>W143 Vivid Blue Non-Staining Opaque PW6, PW4, PB15.3, PG7 No Excellent</p>	<p>W304 Cobalt Teal Blue Shade Low Excellent Semi-Transparent PB50 Yes Excellent</p>	<p>W303 Cobalt Teal Non-Staining Semi-Transparent PG50 No Excellent</p>
<p>W140 Phthalocyanine Turquoise Medium Excellent Opaque PW6, PW4, PB15.3, PG7 No Excellent</p>	<p>W151 Caribbean Turquoise High Excellent Transparent PB15.3, PG7 Yes Excellent</p>	<p>W409 Cobalt Turquoise Deep Medium Excellent Semi-Opaque PB36 Yes Excellent</p>	<p>W167 Aqua Green Medium Excellent Transparent PG7, PB15.3 No Excellent</p>	<p>W138 Phthalocyanine Green Lake High Excellent Transparent PG7 Yes Excellent</p>	<p>W214 Phthalo Green Yellow Shade Medium Very Good Transparent PG36 Yes Very Good</p>	<p>W116 Bright Green Lake High Excellent Transparent PY180, PG7 No Excellent</p>	<p>W232 Italian Green Umber Non-Staining Transparent PB7, PG23 Yes Very Good</p>	<p>W115 Terre Verte Low Excellent Transparent PG23 Yes Excellent</p>	<p>W111 Terre Verte Blue Shade Low Excellent Semi-Transparent PG23 Yes Excellent</p>	<p>W410 Cobalt Green Deep Medium Very Good Semi-Opaque PG19 Yes Very Good</p>	<p>W308 Viridian Non-Staining Transparent PG18 No Excellent</p>
<p>W145 Permanent Green Light Low Very Good Opaque PW6, PW4, PG36, PY3 No Very Good</p>	<p>W146 Emerald Green Medium Excellent Opaque PW6, PW4, PG7, PY3 Yes Excellent</p>	<p>W208 Oxide of Chromium Medium Excellent Opaque PG17 Yes Excellent</p>	<p>W163 Hookers Green Medium Excellent Semi-Transparent PG36, PR101, PY180 Yes Excellent</p>	<p>W147 Sap Green Medium Excellent Semi-Transparent PG7, PB16 Yes Excellent</p>	<p>W164 Forest Green Medium Excellent Semi-Transparent PB17, PB15.1 Yes Excellent</p>	<p>W315 Perylene Green Medium Very Good Semi-Transparent PBk31 Yes Very Good</p>	<p>W162 Olive Green High Excellent Semi-Opaque PR101, PY180, PB15.3 Yes Excellent</p>	<p>W165 Moss Green Medium Excellent Semi-Transparent PY150, PB29, PR209 Yes Excellent</p>	<p>W237 Green Gold Medium Excellent Transparent PY129 Yes Excellent</p>	<p>W216 Turners Yellow Medium Excellent Semi-Opaque PY216 Yes Excellent</p>	<p>W156 Ochre Icles Lemon Low Excellent Semi-Opaque PY43 No Excellent</p>
<p>W229 New Gamboge Medium Excellent Semi-Transparent PY150 No Excellent</p>	<p>W133 French Yellow Ochre Low Good Semi-Transparent PY43 Yes Good</p>	<p>W120 Raw Sienna Light Low Good Semi-Transparent PBr7 Yes Good</p>	<p>W113 Raw Sienna Dark Low Good Semi-Transparent PBr7 Yes Good</p>	<p>W130 Transparent Oxide Yellow Low Good Transparent PY42 No Good</p>	<p>W119 Yellow Ochre Low Excellent Semi-Transparent PY42 Yes Excellent</p>	<p>W218 Naples Yellow Low Excellent Semi-Opaque PBr24 Yes Excellent</p>	<p>W230 Quinacridone Gold Low Very Good Transparent PY150, PR209 Yes Very Good</p>	<p>W311 Quinacridone Bronze Medium Excellent Semi-Transparent PY150, PR209, PV19 No Excellent</p>	<p>W118 Yellow Ochre Deep Low Excellent Semi-Transparent PY43 Yes Excellent</p>	<p>W161 Ochre Havana of France Low Excellent Semi-Opaque PY42, PR102 Yes Excellent</p>	
<p>W148 Italian Brown Ochre Low Very Good Semi-Transparent PBr7 Yes Very Good</p>	<p>W131 Italian Burnt Ochre Low Good Semi-Transparent PBr7 Yes Good</p>	<p>W125 Burnt Sienna High Excellent Transparent PR101 Yes Excellent</p>	<p>W122 Pozzuoli Red Medium Very Good Semi-Transparent PR101 Yes Very Good</p>	<p>W155 Herculane Red Medium Excellent Opaque PR101 Yes Excellent</p>	<p>W160 Red Ochre of France Low Excellent Opaque PR102 Yes Excellent</p>	<p>W158 Puisaye Hematite Low Very Good Opaque PR102 Yes Very Good</p>	<p>W157 Earth of Cyprus Medium Good Semi-Transparent PBr7 Yes Good</p>	<p>W132 Transparent Oxide Brown Medium Excellent Semi-Transparent PBr7 Yes Excellent</p>	<p>W225 Permanent Brown Medium Excellent Transparent PBr25 Yes Excellent</p>		
<p>W124 Red Umber Low Very Good Semi-Transparent PBr6 Yes Very Good</p>	<p>W126 Burnt Umber Low Excellent Semi-Transparent PBr6 Yes Excellent</p>	<p>W123 Indian Red Medium Excellent Semi-Opaque PR101 Yes Excellent</p>	<p>W159 Dark Morellone Earth Low Excellent Opaque PR101 Yes Excellent</p>	<p>W121 Raw Umber Low Very Good Semi-Transparent PBr6 Yes Very Good</p>	<p>W154 Sepia Low Very Good Semi-Opaque PBr6, PBk6 Yes Very Good</p>	<p>W134 Van Dyke Brown Low Very Good Opaque PBr8 Yes Very Good</p>	<p>W117 Titanium Buff Low Excellent Semi-Opaque PW6.1 Yes Excellent</p>	<p>W136 Neutral Grey (N5) Medium Excellent Opaque PW4, PW6, PBk6, PBr6 Yes Excellent</p>			
<p>W228 Moonlight Low Good Transparent PG18, PB29, PR17 Yes Good</p>	<p>W226 Purple Haze Low Excellent Transparent PG18, PB29, P073 Yes Excellent</p>	<p>W227 Cosmic Blue Medium Excellent Semi-Transparent PBk11, PB15.1 Yes Excellent</p>	<p>W150 Indigo Medium Good Transparent PBk6, PB15.3, PV19 Yes Good</p>	<p>W127 Paynes Grey Medium Excellent Semi-Transparent PBk9, PB29, PY42 Yes Excellent</p>	<p>W106 Neutral Tint Low Excellent Semi-Opaque PBk6, PV19, PB15.3 Yes Excellent</p>	<p>W135 Vine Black Medium Excellent Semi-Transparent PBk11 Yes Excellent</p>	<p>W128 Lamp Black High Excellent Opaque PBk6 Yes Excellent</p>	<p>W129 Ivory Black Low Excellent Semi-Transparent PBk9 Yes Excellent</p>			

COLOUR INFORMATION KEY

Colour Number & Name
Staining Power Transparency Granulation
Lightfastness Colour Index



Artists Watercolours

135 Colours
92 Single Pigments

Permanence

All colours are lightfast with two exceptions: Alizarin Crimson PR 83 and Rose Madder NR 9. I have included the two shades of red for their history and exceptional beauty.

