

Number	Colour	Name	Opacity	Light fast	Pigments	R	G	B	L	a	b	H	V	C
221		Transparent medium	T	***	none	247	246	239	96.7	-0.1	2.94.0Y	9.6	0.4	
001		White	O	***	PW6	249	248	244	97.6	0.0	1.74.6Y	9.7	0.2	
021		Naples yellow	O	***	PW6 PY35	255	239	143	95.7	-6.1	49.68.8Y	9.4	6.4	
201		Nickel yellow	T/O	***	PY4 PW6	255	237	75	94.6	-9.7	74.19.4Y	9.3	10.0	
019		Lemon yellow	O	***	PY35	255	233	0	94.1	-10.0	91.79.3Y	9.2	12.4	
022		Gold yellow	O	***	PY35	255	217	0	91.7	0.1	99.46.5Y	8.9	12.1	
074		Yellow lake	T	**	PY13	255	210	0	90.4	3.7	99.85.4Y	8.8	12.3	
020		Yellow deep	O	***	PY35	255	190	0	86.8	17.5	97.83.3Y	8.3	12.5	
233		Luminous yellow	T	***	PW6 PR101	253	198	156	85.1	15.9	29.85.7YR	8.3	5.6	
018		Bright yellow	T/O	***	PO20 PY35 PW6	255	175	95	83.4	30.3	60.78.2YR	7.8	9.5	
200		Mandarin	T/O	***	PO73 PW6	255	97	51	66.1	63.5	63.19.6R	6.1	14.7	
090		Chinese orange	T	**	PR83 PY13	192	68	55	48.7	56.8	38.47.0R	4.7	13.0	
038		Vermilion	T	***	PO20 PR108	241	84	47	60.5	63.4	58.08.7R	5.8	16.7	
029		Red light	T/O	***	PR108	217	60	52	52.7	67.5	46.26.8R	5.0	15.6	
220		Permanent intense red	T/O	***	NR	193	47	53	46.3	65.4	37.45.8R	4.4	15.2	
031		Ruby red	T/O	***	PR170 PR101	179	45	52	43.3	61.7	33.95.5R	4.1	14.1	
030		Red deep	O	***	PR108	172	47	53	42.1	59.5	31.15.2R	4.0	13.5	
008		Bordeaux	T	***	PBk11 PV19	109	50	59	30.2	33.0	9.52.5R	2.9	6.6	
230		Rose ochre	T/O	***	PW6 PR101	243	188	172	81.6	19.9	17.19.2R	8.0	4.8	
236		Coral	T/O	***	PW6 PO73	255	189	185	85.0	27.6	16.66.6R	8.2	5.7	
202		Geranium lake light	O	**	PW6 NR	216	99	125	58.5	56.1	11.59.8RP	5.6	13.0	
028		Pink	O	**	PR3 PW4	207	79	85	53.5	58.8	28.14.5R	5.1	13.3	
027		Purple	T	***	PW4 PR122	188	49	115	46.3	66.1	1.47.8RP	4.5	15.0	
077		Pale pink madder lake	O	***	PR209 PW6	248	124	158	69.0	53.8	9.88.9RP	6.7	11.9	
095		Cobalt violet light hue	T	***	PV16 PR122 PW4	208	147	203	68.2	37.1	-18.110P	6.7	10.2	
217		Cobalt violet light	T	***	PV14	137	98	178	47.9	34.8	-33.85.4P	4.7	11.5	
216		Parma violet	O	***	PW6 PV23	98	90	164	40.3	24.2	-39.91.0P	4.0	10.8	
047		Blue violet	O	***	PV16 PV23 PW6	81	73	135	32.9	20.1	-34.10.5P	3.3	8.4	
076		Violet alizarin lake	T	***	PR122 PV23	97	54	91	29.5	28.6	-11.61.7RP	2.9	6.4	
048		Red violet	O	***	PV19 PV16 PW6	121	63	103	35.4	37.0	-9.93.8RP	3.4	8.0	
207		Ash blue	O	***	PW6 PB15:3	73	196	235	71.2	-21.9	-34.29.2B	7.0	9.1	
226		Sky blue	T	***	PW4 PB29 PB15:3	0	171	232	62.1	-14.1	-46.72.3PB	6.1	11.5	
003		Cerulean blue	T/O	***	PB15:1 PBk11 PW4 PW6	0	140	186	50.7	-14.1	-38.91.5PB	5.0	9.6	
219		Celestial blue	O	***	PB36 PB15:3	0	164	188	56.1	-40.5	-33.67.0B	5.7	8.4	
222		Phthalo blue	O	***	PB36 PW6	53	158	187	58.1	-18.4	-28.39.0B	5.7	7.7	
075		Blue alizarin lake	T	***	PB15:3	0	112	177	38.4	-4.1	-54.35.7PB	4.0	12.6	
211		Midnight blue	T/O	***	PB36	0	120	149	42.0	-20.0	-31.79.6B	4.2	7.5	
002		Azure blue	O	***	PB15:3 PW6	0	126	185	44.6	-10.4	-48.84.5PB	4.5	11.4	
084		Blue chromium green	O	***	PB29 PV53 PY3 PW6	60	137	177	51.4	-7.9	-32.52.9PB	5.0	8.0	
006		Pale blue	O	***	PB29 PW4	113	176	238	67.1	-1.0	-41.36.1PB	6.6	10.0	
225		Indian blue	O	***	PB29 PW6 PB15:3	25	146	221	54.1	-2.2	-52.65.4PB	5.3	12.8	
203		Delft blue	T	***	PB72 PW6 PB15:3	0	118	208	42.2	7.6	-64.66.4PB	4.3	15.6	
227		Royal blue	T/O	***	PB29 PW6 PV13	67	130	219	50.6	10.6	-56.07.0PB	5.0	13.6	
004		Cobalt blue	O	***	PW4 PB29	0	81	198	31.9	31.1	-74.36.3PB	3.3	17.6	
237		French ultramarine blue	T/O	***	PB29	0	69	191	28.0	36.6	-76.47.3PB	2.9	18.8	
005		Ultramarine blue	T	***	PV15	65	90	190	37.9	25.2	-59.88.3PB	3.8	15.3	
007		Prussian blue	T	***	PB27	12	93	142	34.6	-1.7	-38.14.7PB	3.4	8.6	
080		Indigo light	O	***	PBk9 PB29 PB15:3 PW6	58	80	96	31.9	-4.0	-13.52.0PB	3.1	2.8	
206		Turquoise blue	T	***	PB36	0	195	206	67.3	-50.7	-26.73.1B	6.8	8.3	
082		Bright turquoise	T/O	***	PG7 PB15:3 PW4	0	140	145	47.8	-38.2	-22.63.4B	4.8	6.4	
218		Prussian green	T/O	***	PB38	0	135	130	48.3	-36.1	-10.97.7BG	4.8	6.2	
214		Celadon green	O	***	PB36 PW6	75	165	166	60.9	-27.4	-12.19.9BG	5.9	5.7	
072		Green yellow light	T/O	***	PV53 PG7	205	224	111	86.8	-24.7	49.86.0GY	8.5	7.7	
205		Moss green	O	***	PW6 PY129	216	184	67	77.5	-2.7	61.76.1Y	7.6	8.4	
040		Barite green	O	***	PG7 PY3 PW6	37	196	159	69.4	-49.8	2.11.3BG	6.8	8.7	
043		Cobalt green light	T	***	PG7 PW6	0	191	160	66.2	-55.2	-4.23.6BG	6.6	8.2	
046		Olive green	O	***	PG17 PY42 PW6	129	139	97	56.6	-13.4	22.36.2GY	5.5	4.1	
088		Sap green light	O	***	PR102 PW6 PB15:3 PG7	104	138	107	53.9	-21.2	11.72.1G	5.2	4.3	
086		Phthalo green light	T	**	PB29 PY53 PY1	126	140	53	56.3	-19.0	43.14.7GY	5.4	7.0	
204		Cinnabar yellow brown	T	***	PY129	160	121	46	55.1	5.9	47.53.3Y	5.3	6.7	
042		Cinnabar green yellow	T/O	***	PY35 PG36	35	169	54	60.6	-62.8	42.10.7G	5.9	12.4	
234		Permanent green light	T/O	***	PY4 PG7	0	141	63	49.4	-58.2	25.71.7G	4.9	9.3	
045		Green medium	T/O	***	PG36 PY3 PW4	25	103	63	37.8	-36.5	14.13.0G	3.7	6.5	
041		Cinnabar green deep	T	***	PG7 PY3	0	126	69	42.8	-58.0	13.13.0G	4.3	7.6	
044		Viridian green	T	***	PG7	0	114	78	38.5	-48.8	2.57.8G	3.9	6.0	
085		Chrome green medium	T	**	PB29 PY53 PY1	64	95	74	36.9	-15.6	7.13.0G	3.6	3.2	
213		Pine green	T/O	***	PG26	51	102	86	38.7	-22.2	2.010G	3.8	4.1	
039		Chromium green deep	T	***	PB15:3 PG7	0	87	93	30.4	-16.2	-16.64.7B	3.0	4.4	
235		Charcoal blue	O	***	PW4 PBk1 PB15:3 PR101 PG7	47	92	114	35.3	-9.0	-19.18.2B	3.4	4.5	
087		Sap green	T/O	**	PG8	55	67	60	26.8	-6.8	1.85.5G	3.0	1.4	
099		Titanium buff	T	***	PBr7 PY42 PW6	227	181	128	78.2	9.6	34.89.7YR	7.6	5.4	
242		Chrome brown	T/O	***	PW6 PY42 PR101 PBk1	201	157	116	69.3	10.5	29.78.3YR	6.7	4.6	
241		Brown ochre	O	***	PY42 PW6 PG17 PR101 PBk1	184	141	89	63.0	9.4	35.60.6Y	6.1	5.5	
215		Havana ochre	T/O	***	NR PR101 PY42 PBk11	155	113	65	52.2	11.6	34.09.8YR	5.0	5.7	
243		Earth brown	T/O	***	PB28 PW7	141	106	81	48.7	10.8	20.87.2YR	4.7	3.7	
094		Brown pink	T/O	***	PBr7 PY83	113	91	57	41.1	2.7	24.53.9Y	4.0	3.5	
210		Olive brown	O	***	PY42 PBk8/9 PG8	106	91	63	40.0	0.7	19.25.0Y	3.9	2.6	
093		Sennelier brown light	O	***	PY42 PR101 PBk11 PY53	124	99	81	44.5	8.4	14.27.0YR	4.3	2.4	
238		Orange ochre	O	***	PW6 PY42 PR101 PBk1	220	165	132	73.3	18.2	26.84.1YR	7.1	5.7	
025		Flesh ochre	O	***	PY42 PR101 PW4 PW6	217	154	133	70.4	23.3	22.60.3YR	6.8	6.0	
232		Terra cotta	T/O	***	PW6 PR101 PY42	218	134	91	65.8	30.6	39.12.8YR	6.4	8.6	
231		Gold brown	O	***	PR101 PW6	186	109	99	55.8	32.9	21.47.1R	5.4	7.4	
240		Light English red	O	***	PW6 PR101	187	111	98	56.3	31.6	23.08.1R	5.4	7.3	
209		Violet ochre	O	***	PW6 PR101	169	139	146	60.9	14.7	1.37.4RP	5.9	3.6	
212		Mummy	O	***	PW6 PR101	162	122	115	55.5	17.4	10.97.5R	5.4	3.9	
026		Yellow ochre	T	***	PY42 PBr7	232	148	53	71.0	23.0	63.38.1YR	6.9	10.8	
208		Mars orange	T	***	PR101	204	113	71	59.1	35.3	41.41.6YR	5.7	9.1	
037		Raw sienna	T/O	***	PY42 PR101 PBk11	159	101	61	49.8	19.8	34.55.8YR	4.8	6.4	
091		Chrome red	O	***	PR101 PR209 PW6	155	85	84	45.7	31.8	16.25.4R	4.4	6.8	
239		Red brown	O	***	PR101 PW6	156	77	61	43.9	34.8	27.59.1R	4.2	7.8	
032		Venetian red	O	***	PR101	141	69	59	39.8	33.1	23.18.1R	3.8	7.4	
092		Brown madder	T/O	***	PBr23	103	59	52	30.9	23.0	14.18.0R	3.0	4.6	
036		Burnt sienna	T/O	***	PR101 PBk11	108	70	60	34.6	15.8	14.31.7YR	3.4	3.5	
035		Raw umber	T/O	***	PBk11 PY42 PR101	78	70	64	30.3	2.5	5.29.5YR	3.0	0.8	
034		Burnt umber	O	***	PR101 PBk11 PY42	86	67	62	30.7	8.0	7.12.1YR	3.0	1.6	
033		Sepia	T/O	***	PBk11 PY42 PR101	73	65	61	28.2	2.6	3.77.3YR	3.0	0.7	
223		Cold grey	T	***	PW4 PB8/9	211	210	209	84.1	0.3	0.76.9YR	8.3	0.1	
011		Blue grey	T/O	***	PBk9 PB15:3 PW6	162	186	189	73.0	-6.8	-5.95.8B	7.2	2.0	
014		Light grey	T	***	PBk8/9 PW4	163	167	171	67.9	-0.6	-2.94.6PB	6.6	0.9	
229		English grey	O	***	PW6 PBk4 PB15:3 PY42 PG7	91	171	196	64.1	-18.7	-23.57.7B	6.3	6.6	
013		Yellow grey	T/O	**	PY1 PBk8/9 PW6	173	166	136	68.4	-2.8	16.98.8Y	6.7	2.	

Number	Colour	Name	Opacity	Light fast	Pigments	R	G	B	L	a	b	H	V	C
001		White	O	***	PW6	249	248	244	97.6	0.0	1.74.6Y	9.7	0.2	
002		Azure blue	O	***	PB15:3 PW6	0	126	185	44.6	-10.4	-48.84.5PB	4.5	11.4	
003		Cerulean blue	T/O	***	PB15:1 PBk11 PW4 PW6	0	140	186	50.7	-14.1	-38.91.5PB	5.0	9.6	
004		Cobalt blue	O	***	PW4 PB29	0	81	198	31.9	31.1	-74.36.3PB	3.3	17.6	
005		Ultramarine blue	T	***	PV15	65	90	190	37.9	25.2	-59.88.3PB	3.8	15.3	
006		Pale blue	O	***	PB29 PW4	113	176	238	67.1	-1.0	-41.36.1PB	6.6	10.0	
007		Prussian blue	T	***	PB27	12	93	142	34.6	-1.7	-38.14.7PB	3.4	8.6	
008		Bordeaux	T	***	PBk11 PV19	109	50	59	30.2	33.0	9.52.5R	2.9	6.6	
011		Blue grey	T/O	***	PBk9 PB15:3 PW6	162	186	189	73.0	-6.8	-5.95.8B	7.2	2.0	
012		Grey deep	O	***	PBk9 PW6	95	101	105	41.9	-1.3	-3.60.2PB	4.1	0.8	
013		Yellow grey	T/O	**	PY1 PBk8/9 PW6	173	166	136	68.4	-2.8	16.98.8Y	6.7	2.2	
014		Light grey	T	***	PBk8/9 PW4	163	167	171	67.9	-0.6	-2.94.6PB	6.6	0.9	
015		Reddish brown grey	O	***	PBr7 PBk9 PW6	155	140	125	59.5	3.6	10.59.8YR	5.8	1.7	
016		Grey green	O	**	PG17 PBk8/9 PW6	129	136	120	55.6	-6.4	7.87.5GY	5.4	1.7	
017		Violet grey	O	***	PBk8/9 PV16 PW6	155	146	159	61.4	6.7	-5.76.7P	6.0	2.3	
018		Bright yellow	T/O	***	PO20 PY35 PW6	255	175	95	83.4	30.3	60.78.2YR	7.8	9.5	
019		Lemon yellow	O	***	PY35	255	233	0	94.1	-10.0	91.79.3Y	9.2	12.4	
020		Yellow deep	O	***	PY35	255	190	0	86.8	17.5	97.83.3Y	8.3	12.5	
021		Naples yellow	O	***	PW6 PY35	255	239	143	95.7	-6.1	49.68.8Y	9.4	6.4	
022		Gold yellow	O	***	PY35	255	217	0	91.7	0.1	99.46.5Y	8.9	12.1	
023		Black	O	***	PBk8/9 PBk7	56	56	56	23.2	0.0	-0.4N	2.0	0.0	
025		Flesh ochre	O	***	PY42 PR101 PW4 PW6	217	154	133	70.4	23.3	22.60.3YR	6.8	6.0	
026		Yellow ochre	T	***	PY42 PBr7	232	148	53	71.0	23.0	63.38.1YR	6.9	10.8	
027		Purple	T	***	PW4 PR122	188	49	115	46.3	66.1	1.47.8RP	4.5	15.0	
028		Pink	O	**	PR3 PW4	207	79	85	53.5	58.8	28.14.5R	5.1	13.3	
029		Red light	T/O	***	PR108	217	60	52	52.7	67.5	46.26.8R	5.0	15.6	
030		Red deep	O	***	PR108	172	47	53	42.1	59.5	31.15.2R	4.0	13.5	
031		Ruby red	T/O	***	PR170 PR101	179	45	52	43.3	61.7	33.95.5R	4.1	14.1	
032		Venetian red	O	***	PR101	141	69	59	39.8	33.1	23.18.1R	3.8	7.4	
033		Sepia	T/O	***	PBk11 PY42 PR101	73	65	61	28.2	2.6	3.77.3YR	3.0	0.7	
034		Burnt umber	O	***	PR101 PBk11 PY42	86	67	62	30.7	8.0	7.12.1YR	3.0	1.6	
035		Raw umber	T/O	***	PBk11 PY42 PR101	78	70	64	30.3	2.5	5.29.5YR	3.0	0.8	
036		Burnt sienna	T/O	***	PR101 PBk11	108	70	60	34.6	15.8	14.31.7YR	3.4	3.5	
037		Raw sienna	T/O	***	PY42 PR101 PBk11	159	101	61	49.8	19.8	34.55.8YR	4.8	6.4	
038		Vermilion	T	***	PO20 PR108	241	84	47	60.5	63.4	58.08.7R	5.8	16.7	
039		Chromium green deep	T	***	PB15:3 PG7	0	87	93	30.4	-16.2	-16.64.7B	3.0	4.4	
040		Barite green	O	***	PG7 PY3 PW6	37	196	159	69.4	-49.8	2.11.3BG	6.8	8.7	
041		Cinnabar green deep	T	***	PG7 PY3	0	126	69	42.8	-58.0	13.13.0G	4.3	7.6	
042		Cinnabar green yellow	T/O	***	PY35 PG36	35	169	54	60.6	-62.8	42.10.7G	5.9	12.4	
043		Cobalt green light	T	***	PG7 PW6	0	191	160	66.2	-55.2	-4.23.6BG	6.6	8.2	
044		Viridian green	T	***	PG7	0	114	78	38.5	-48.8	2.57.8G	3.9	6.0	
045		Green medium	T/O	***	PG36 PY3 PW4	25	103	63	37.8	-36.5	14.13.0G	3.7	6.5	
046		Olive green	O	***	PG17 PY42 PW6	129	139	97	56.6	-13.4	22.36.2GY	5.5	4.1	
047		Blue violet	O	***	PV16 PV23 PW6	81	73	135	32.9	20.1	-34.10.5P	3.3	8.4	
048		Red violet	O	***	PV19 PV16 PW6	121	63	103	35.4	37.0	-9.93.8RP	3.4	8.0	
072		Green yellow light	T/O	***	PV53 PG7	205	224	111	86.8	-24.7	49.86.0GY	8.5	7.7	
074		Yellow lake	T	**	PY13	255	210	0	90.4	3.7	99.85.4Y	8.8	12.3	
075		Blue alizarin lake	T	***	PB15:3	0	112	177	38.4	-4.1	-54.35.7PB	4.0	12.6	
076		Violet alizarin lake	T	***	PR122 PV23	97	54	91	29.5	28.6	-11.61.7RP	2.9	6.4	
077		Pale pink madder lake	O	***	PR209 PW6	248	124	158	69.0	53.8	9.88.9RP	6.7	11.9	
080		Indigo light	O	***	PBk9 PB29 PB15:3 PW6	58	80	96	31.9	-4.0	-13.52.0PB	3.1	2.8	
082		Bright turquoise	T/O	***	PG7 PB15:3 PW4	0	140	145	47.8	-38.2	-22.63.4B	4.8	6.4	
084		Blue chromium green	O	***	PB29 PV53 PY3 PW6	60	137	177	51.4	-7.9	-32.52.9PB	5.0	8.0	
085		Chrome green medium	T	**	PB29 PY53 PY1	64	95	74	36.9	-15.6	7.13.0G	3.6	3.2	
086		Phthalo green light	T	**	PB29 PY53 PY1	126	140	53	56.3	-19.0	43.14.7GY	5.4	7.0	
087		Sap green	T/O	**	PG8	55	67	60	26.8	-6.8	1.85.5G	3.0	1.4	
088		Sap green light	O	***	PR102 PW6 PB15:3 PG7	104	138	107	53.9	-21.2	11.72.1G	5.2	4.3	
090		Chinese orange	T	**	PR83 PY13	192	68	55	48.7	56.8	38.47.0R	4.7	13.0	
091		Chrome red	O	***	PR101 PR209 PW6	155	85	84	45.7	31.8	16.25.4R	4.4	6.8	
092		Brown madder	T/O	***	PBr23	103	59	52	30.9	23.0	14.18.0R	3.0	4.6	
093		Sennelier brown light	O	***	PY42 PR101 PBk11 PY53	124	99	81	44.5	8.4	14.27.0YR	4.3	2.4	
094		Brown pink	T/O	***	PBr7 PY83	113	91	57	41.1	2.7	24.53.9Y	4.0	3.5	
095		Cobalt violet light hue	T	***	PV16 PR122 PW4	208	147	203	68.2	37.1	-18.110P	6.7	10.2	
096		Payne's grey	T	**	PBk1 PR83 PB60	62	62	74	26.1	2.8	-7.39.4PB	2.6	1.4	
098		Mars black	T	***	PBk11	60	59	59	24.8	0.6	0.25.8R	2.0	0.1	
099		Titanium buff	T	***	PBr7 PY42 PW6	227	181	128	78.2	9.6	34.89.7YR	7.6	5.4	
111		Aluminium	T	***	Ir	155	159	162	64.9	-0.9	-2.42.4PB	6.3	0.7	
112		Pale gold	T	***	Ir	172	142	109	61.9	6.8	22.710YR	6.0	3.5	
113		Rich pale gold	T	***	Ir	179	156	115	66.4	2.7	25.13.2Y	6.4	3.7	
114		Rich gold	T	***	Ir	177	162	119	67.5	-0.5	24.25.3Y	6.6	3.3	
115		Red copper	T	***	Ir	153	111	96	51.5	16.3	16.31.5YR	5.0	4.0	
123		Transparent blue	T	***	Ir PB15:3	113	198	215	73.5	-22.1	-20.05.6B	7.2	6.2	
125		Iridescent white	T	***	Ir	237	233	224	92.4	0.5	4.31.2Y	9.1	0.5	
132		Golden pearl	T	***	Ir	232	186	115	79.7	8.7	42.71.0Y	7.8	6.2	
134		Red gold	T	**	Ir PR3	214	116	103	61.4	43.5	26.76.3R	5.9	9.8	
135		Reddish brown gold	T	***	Ir	158	82	80	45.4	35.0	18.65.5R	4.4	7.6	
200		Mandarin	T/O	***	PO73 PW6	255	97	51	66.1	63.5	63.19.6R	6.1	14.7	
201		Nickel yellow	T/O	***	PY4 PW6	255	237	75	94.6	-9.7	74.19.4Y	9.3	10.0	
202		Geranium lake light	O	**	PW6 NR	216	99	125	58.5	56.1	11.59.8RP	5.6	13.0	
203		Delft blue	T	***	PB72 PW6 PB15:3	0	118	208	42.2	7.6	-64.66.4PB	4.3	15.6	
204		Cinnabar yellow brown	T	***	PY129	160	121	46	55.1	5.9	47.53.3Y	5.3	6.7	
205		Moss green	O	***	PW6 PY129	216	184	67	77.5	-2.7	61.76.1Y	7.6	8.4	
206		Turquoise blue	T	***	PB36	0	195	206	67.3	-50.7	-26.73.1B	6.8	8.3	
207		Ash blue	O	***	PW6 PB15:3	73	196	235	71.2	-21.9	-34.29.2B	7.0	9.1	
208		Mars orange	T	***	PR101	204	113	71	59.1	35.3	41.41.6YR	5.7	9.1	
209		Violet ochre	O	***	PW6 PR101	169	139	146	60.9	14.7	1.37.4RP	5.9	3.6	
210		Olive brown	O	***	PY42 PBk8/9 PG8	106	91	63	40.0	0.7	19.25.0Y	3.9	2.6	
211		Midnight blue	T/O	***	PB36	0	120	149	42.0	-20.0	-31.79.6B	4.2	7.5	
212		Mummy	O	***	PW6 PR101	162	122	115	55.5	17.4	10.97.5R	5.4	3.9	
213		Pine green	T/O	***	PG26	51	102	86	38.7	-22.2	2.010G	3.8	4.1	
214		Celadon green	O	***	PB36 PW6	75	165	166	60.9	-27.4	-12.19.9BG	5.9	5.7	
215		Havana ochre	T/O	***	NR PR101 PY42 PBk11	155	113	65	52.2	11.6	34.09.8YR	5.0	5.7	
216		Parma violet	O	***	PW6 PV23	98	90	164	40.3	24.2	-39.91.0P	4.0	10.8	
217		Cobalt violet light	T	***	PV14	137	98	178	47.9	34.8	-33.85.4P	4.7	11.5	
218		Prussian green	T/O	***	PB38	0	135	130	48.3	-36.1	-10.97.7BG	4.8	6.2	
219		Celestial blue	O	***	PB36 PB15:3	0	164	188	56.1	-40.5	-33.67.0B	5.7	8.4	
220		Permanent intense red	T/O	***	NR	193	47	53	46.3	65.4	37.45.8R	4.4	15.2	
221		Transparent medium	T	***	none	247	246	239	96.7	-0.1	2.94.0Y	9.6	0.4	
222		Phthalo blue	O	***	PB36 PW6	53	158	187	58.1	-18.4	-28.39.0B	5.7	7.7	
223		Cold grey	T	***	PW4 PB8/9	211	210	209	84.1	0.3	0.76.9YR	8.3	0.1	
224		Medium grey	T/O	***	PW4 PBk8/9	124	129	135	53.4	-1.0	-4.13.2PB	5.2	1.1	
225		Indian blue	O	***	PB29 PW6 PB15:3	25	146	221	54.1	-2.2	-52.65.4PB			

Number	Colour	Name	Opacity	Light fast	Pigments	R	G	B	L	a	b	H	V	C	
111		Aluminium	T	***	Ir	155	159	162	64.9	-0.9	-2.4	2.4	PB	6.3	0.7
207		Ash blue	O	***	PW6 PB15:3	73	196	235	71.2	-21.9	-34.2	9.2	B	7.0	9.1
002		Azure blue	O	***	PB15:3 PW6	0	126	185	44.6	-10.4	-48.8	4.5	PB	4.5	11.4
040		Barite green	O	***	PG7 PY3 PW6	37	196	159	69.4	-49.8	2.1	1.3	BG	6.8	8.7
023		Black	O	***	PBk8/9 PBk7	56	56	56	23.2	0.0	-0.4	N		2.0	0.0
075		Blue alizarin lake	T	***	PB15:3	0	112	177	38.4	-4.1	-54.3	5.7	PB	4.0	12.6
084		Blue chromium green	O	***	PB29 PV53 PY3 PW6	60	137	177	51.4	-7.9	-32.5	2.9	PB	5.0	8.0
011		Blue grey	T/O	***	PBk9 PB15:3 PW6	162	186	189	73.0	-6.8	-5.9	5.8	B	7.2	2.0
047		Blue violet	O	***	PV16 PV23 PW6	81	73	135	32.9	20.1	-34.1	0.5	P	3.3	8.4
008		Bordeaux	T	***	PBk11 PV19	109	50	59	30.2	33.0	9.5	2.5	R	2.9	6.6
082		Bright turquoise	T/O	***	PG7 PB15:3 PW4	0	140	145	47.8	-38.2	-22.6	3.4	B	4.8	6.4
018		Bright yellow	T/O	***	PO20 PY35 PW6	255	175	95	83.4	30.3	60.7	8.2	YR	7.8	9.5
092		Brown madder	T/O	***	PBr23	103	59	52	30.9	23.0	14.1	8.0	R	3.0	4.6
241		Brown ochre	O	***	PY42 PW6 PG17 PR101 PBk1	184	141	89	63.0	9.4	35.6	0.6	Y	6.1	5.5
094		Brown pink	T/O	***	PBr7 PY83	113	91	57	41.1	2.7	24.5	3.9	Y	4.0	3.5
036		Burnt sienna	T/O	***	PR101 PBk11	108	70	60	34.6	15.8	14.3	1.7	YR	3.4	3.5
034		Burnt umber	O	***	PR101 PBk11 PY42	86	67	62	30.7	8.0	7.1	2.1	YR	3.0	1.6
214		Celadon green	O	***	PB36 PW6	75	165	166	60.9	-27.4	-12.1	9.9	BG	5.9	5.7
219		Celestial blue	O	***	PB36 PB15:3	0	164	188	56.1	-40.5	-33.6	7.0	B	5.7	8.4
003		Cerulean blue	T/O	***	PB15:1 PBk11 PW4 PW6	0	140	186	50.7	-14.1	-38.9	1.5	PB	5.0	9.6
228		Charcoal	O	***	PBk8/9 PW6	74	78	82	32.5	-0.9	-3.0	2.4	PB	3.2	0.6
235		Charcoal blue	O	***	PW4 PBk1 PB15:3 PR101 PG7	47	92	114	35.3	-9.0	-19.1	8.2	B	3.4	4.5
090		Chinese orange	T	**	PR83 PY13	192	68	55	48.7	56.8	38.4	7.0	R	4.7	13.0
242		Chrome brown	T/O	***	PW6 PY42 PR101 PBk1	201	157	116	69.3	10.5	29.7	8.3	YR	6.7	4.6
085		Chrome green medium	T	**	PB29 PY53 PY1	64	95	74	36.9	-15.6	7.1	3.0	G	3.6	3.2
091		Chrome red	O	***	PR101 PR209 PW6	155	85	84	45.7	31.8	16.2	5.4	R	4.4	6.8
039		Chromium green deep	T	***	PB15:3 PG7	0	87	93	30.4	-16.2	-16.6	4.7	B	3.0	4.4
041		Cinnabar green deep	T	***	PG7 PY3	0	126	69	42.8	-58.0	13.1	3.0	G	4.3	7.6
042		Cinnabar green yellow	T/O	***	PY35 PG36	35	169	54	60.6	-62.8	42.1	0.7	G	5.9	12.4
204		Cinnabar yellow brown	T	***	PY129	160	121	46	55.1	5.9	47.5	3.3	Y	5.3	6.7
004		Cobalt blue	O	***	PW4 PB29	0	81	198	31.9	31.1	-74.3	6.3	PB	3.3	17.6
043		Cobalt green light	T	***	PG7 PW6	0	191	160	66.2	-55.2	-4.2	3.6	BG	6.6	8.2
217		Cobalt violet light	T	***	PV14	137	98	178	47.9	34.8	-33.8	5.4	P	4.7	11.5
095		Cobalt violet light hue	T	***	PV16 PR122 PW4	208	147	203	68.2	37.1	-18.1	10	P	6.7	10.2
223		Cold grey	T	***	PW4 PB8/9	211	210	209	84.1	0.3	0.7	6.9	YR	8.3	0.1
236		Coral	T/O	***	PW6 PO73	255	189	185	85.0	27.6	16.6	6.6	R	8.2	5.7
203		Delft blue	T	***	PB72 PW6 PB15:3	0	118	208	42.2	7.6	-64.6	6.4	PB	4.3	15.6
243		Earth brown	T/O	***	PB28 PW7	141	106	81	48.7	10.8	20.8	7.2	YR	4.7	3.7
229		English grey	O	***	PW6 PBk4 PB15:3 PY42 PG7	91	171	196	64.1	-18.7	-23.5	7.7	B	6.3	6.6
025		Flesh ochre	O	***	PY42 PR101 PW4 PW6	217	154	133	70.4	23.3	22.6	0.3	YR	6.8	6.0
237		French ultramarine blue	T/O	***	PB29	0	69	191	28.0	36.6	-76.4	7.3	PB	2.9	18.8
202		Geranium lake light	O	**	PW6 NR	216	99	125	58.5	56.1	11.5	9.8	RP	5.6	13.0
231		Gold brown	O	***	PR101 PW6	186	109	99	55.8	32.9	21.4	7.1	R	5.4	7.4
022		Gold yellow	O	***	PY35	255	217	0	91.7	0.1	99.4	6.5	Y	8.9	12.1
132		Golden pearl	T	***	Ir	232	186	115	79.7	8.7	42.7	1.0	Y	7.8	6.2
045		Green medium	T/O	***	PG36 PY3 PW4	25	103	63	37.8	-36.5	14.1	3.0	G	3.7	6.5
072		Green yellow light	T/O	***	PV53 PG7	205	224	111	86.8	-24.7	49.8	6.0	GY	8.5	7.7
012		Grey deep	O	***	PBk9 PW6	95	101	105	41.9	-1.3	-3.6	0.2	PB	4.1	0.8
016		Grey green	O	**	PG17 PBk8/9 PW6	129	136	120	55.6	-6.4	7.8	7.5	GY	5.4	1.7
215		Havana ochre	T/O	***	NR PR101 PY42 PBk11	155	113	65	52.2	11.6	34.0	9.8	YR	5.0	5.7
225		Indian blue	O	***	PB29 PW6 PB15:3	25	146	221	54.1	-2.2	-52.6	5.4	PB	5.3	12.8
080		Indigo light	O	***	PBk9 PB29 PB15:3 PW6	58	80	96	31.9	-4.0	-13.5	2.0	PB	3.1	2.8
125		Iridescent white	T	***	Ir	237	233	224	92.4	0.5	4.3	1.2	Y	9.1	0.5
019		Lemon yellow	O	***	PY35	255	233	0	94.1	-10.0	91.7	9.3	Y	9.2	12.4
240		Light English red	O	***	PW6 PR101	187	111	98	56.3	31.6	23.0	8.1	R	5.4	7.3
014		Light grey	T	***	PBk8/9 PW4	163	167	171	67.9	-0.6	-2.9	4.6	PB	6.6	0.9
233		Luminous yellow	T	***	PW6 PR101	253	198	156	85.1	15.9	29.8	5.7	YR	8.3	5.6
200		Mandarin	T/O	***	PO73 PW6	255	97	51	66.1	63.5	63.1	9.6	R	6.1	14.7
098		Mars black	T	***	PBk11	60	59	59	24.8	0.6	0.2	5.8	R	2.0	0.1
208		Mars orange	T	***	PR101	204	113	71	59.1	35.3	41.4	1.6	YR	5.7	9.1
224		Medium grey	T/O	***	PW4 PBk8/9	124	129	135	53.4	-1.0	-4.1	3.2	PB	5.2	1.1
211		Midnight blue	T/O	***	PB36	0	120	149	42.0	-20.0	-31.7	9.6	B	4.2	7.5
205		Moss green	O	***	PW6 PY129	216	184	67	77.5	-2.7	61.7	6.1	Y	7.6	8.4
212		Mummy	O	***	PW6 PR101	162	122	115	55.5	17.4	10.9	7.5	R	5.4	3.9
021		Naples yellow	O	***	PW6 PY35	255	239	143	95.7	-6.1	49.6	8.8	Y	9.4	6.4
201		Nickel yellow	T/O	***	PY4 PW6	255	237	75	94.6	-9.7	74.1	9.4	Y	9.3	10.0
210		Olive brown	O	***	PY42 PBk8/9 PG8	106	91	63	40.0	0.7	19.2	5.0	Y	3.9	2.6
046		Olive green	O	***	PG17 PY42 PW6	129	139	97	56.6	-13.4	22.3	6.2	GY	5.5	4.1
238		Orange ochre	O	***	PW6 PY42 PR101 PBk1	220	165	132	73.3	18.2	26.8	4.1	YR	7.1	5.7
006		Pale blue	O	***	PB29 PW4	113	176	238	67.1	-1.0	-41.3	6.1	PB	6.6	10.0
112		Pale gold	T	***	Ir	172	142	109	61.9	6.8	22.7	10	YR	6.0	3.5
077		Pale pink madder lake	O	***	PR209 PW6	248	124	158	69.0	53.8	9.8	8.9	RP	6.7	11.9
216		Parma violet	O	***	PW6 PV23	98	90	164	40.3	24.2	-39.9	1.0	P	4.0	10.8
096		Payne's grey	T	**	PBk1 PR83 PB60	62	62	74	26.1	2.8	-7.3	9.4	PB	2.6	1.4
234		Permanent green light	T/O	***	PY4 PG7	0	141	63	49.4	-58.2	25.7	1.7	G	4.9	9.3
220		Permanent intense red	T/O	***	NR	193	47	53	46.3	65.4	37.4	5.8	R	4.4	15.2
222		Phthalo blue	O	***	PB36 PW6	53	158	187	58.1	-18.4	-28.3	9.0	B	5.7	7.7
086		Phthalo green light	T	**	PB29 PY53 PY1	126	140	53	56.3	-19.0	43.1	4.7	GY	5.4	7.0
213		Pine green	T/O	***	PG26	51	102	86	38.7	-22.2	2.0	10	G	3.8	4.1
028		Pink	O	**	PR3 PW4	207	79	85	53.5	58.8	28.1	4.5	R	5.1	13.3
007		Prussian blue	T	***	PB27	12	93	142	34.6	-1.7	-38.1	4.7	PB	3.4	8.6
218		Prussian green	T/O	***	PB38	0	135	130	48.3	-36.1	-10.9	7.7	BG	4.8	6.2
027		Purple	T	***	PW4 PR122	188	49	115	46.3	66.1	1.4	7.8	RP	4.5	15.0
037		Raw sienna	T/O	***	PY42 PR101 PBk11	159	101	61	49.8	19.8	34.5	5.8	YR	4.8	6.4
035		Raw umber	T/O	***	PBk11 PY42 PR101	78	70	64	30.3	2.5	5.2	9.5	YR	3.0	0.8
239		Red brown	O	***	PR101 PW6	156	77	61	43.9	34.8	27.5	9.1	R	4.2	7.8
115		Red copper	T	***	Ir	153	111	96	51.5	16.3	16.3	1.5	YR	5.0	4.0
030		Red deep	O	***	PR108	172	47	53	42.1	59.5	31.1	5.2	R	4.0	13.5
134		Red gold	T	**	Ir PR3	214	116	103	61.4	43.5	26.7	6.3	R	5.9	9.8
029		Red light	T/O	***	PR108	217	60	52	52.7	67.5	46.2	6.8	R	5.0	15.6
048		Red violet	O	***	PV19 PV16 PW6	121	63	103	35.4	37.0	-9.9	3.8	RP	3.4	8.0
135		Reddish brown gold	T	***	Ir	158	82	80	45.4	35.0	18.6	5.5	R	4.4	7.6
015		Reddish brown grey	O	***	PBr7 PBk9 PW6	155	140	125	59.5	3.6	10.5	9.8	YR	5.8	1.7
114		Rich gold	T	***	Ir	177	162	119	67.5	-0.5	24.2	5.3	Y	6.6	3.3
113		Rich pale gold	T	***	Ir	179	156	115	66.4	2.7	25.1	3.2	Y	6.4	3.7
230		Rose ochre	T/O	***	PW6 PR101	243	188	172	81.6	19.9	17.1	9.2	R	8.0	4.8
227		Royal blue	T/O	***	PB29 PW6 PV13	67	130	219	50.6	10.6	-56.0	7.0	PB	5.0</	

Number	Colour	Name	Opacity	Light fast	Pigments	R	G	B	L	a	b	H	V	C
001		White	O	***	PW6	249	248	244	97.6	0.0	1.7	4.6	9.7	0.2
021		Naples yellow	O	***	PW6 PY35	255	239	143	95.7	-6.1	49.6	8.8	9.4	6.4
019		Lemon yellow	O	***	PY35	255	233	0	94.1	-10.0	91.7	9.3	9.2	12.4
022		Gold yellow	O	***	PY35	255	217	0	91.7	0.1	99.4	6.5	8.9	12.1
020		Yellow deep	O	***	PY35	255	190	0	86.8	17.5	97.8	3.3	8.3	12.5
030		Red deep	O	***	PR108	172	47	53	42.1	59.5	31.1	15.2	4.0	13.5
202		Geranium lake light	O	**	PW6 NR	216	99	125	58.5	56.1	11.5	9.8	5.6	13.0
028		Pink	O	**	PR3 PW4	207	79	85	53.5	58.8	28.1	14.5	5.1	13.3
077		Pale pink madder lake	O	***	PR209 PW6	248	124	158	69.0	53.8	9.8	8.9	6.7	11.9
216		Parma violet	O	***	PW6 PV23	98	90	164	40.3	24.2	-39.9	1.0	4.0	10.8
047		Blue violet	O	***	PV16 PV23 PW6	81	73	135	32.9	20.1	-34.1	10.5	3.3	8.4
048		Red violet	O	***	PV19 PV16 PW6	121	63	103	35.4	37.0	-9.9	3.8	3.4	8.0
207		Ash blue	O	***	PW6 PB15:3	73	196	235	71.2	-21.9	-34.2	9.2	7.0	9.1
219		Celestial blue	O	***	PB36 PB15:3	0	164	188	56.1	-40.5	-33.6	7.0	5.7	8.4
222		Phthalo blue	O	***	PB36 PW6	53	158	187	58.1	-18.4	-28.3	9.0	5.7	7.7
002		Azure blue	O	***	PB15:3 PW6	0	126	185	44.6	-10.4	-48.8	4.5	4.5	11.4
084		Blue chromium green	O	***	PB29 PV53 PY3 PW6	60	137	177	51.4	-7.9	-32.5	2.9	5.0	8.0
006		Pale blue	O	***	PB29 PW4	113	176	238	67.1	-1.0	-41.3	6.1	6.6	10.0
225		Indian blue	O	***	PB29 PW6 PB15:3	25	146	221	54.1	-2.2	-52.6	5.4	5.3	12.8
004		Cobalt blue	O	***	PW4 PB29	0	81	198	31.9	31.1	-74.3	6.3	3.3	17.6
080		Indigo light	O	***	PBk9 PB29 PB15:3 PW6	58	80	96	31.9	-4.0	-13.5	2.0	3.1	2.8
214		Celadon green	O	***	PB36 PW6	75	165	166	60.9	-27.4	-12.1	9.9	5.9	5.7
205		Moss green	O	***	PW6 PY129	216	184	67	77.5	-2.7	61.7	6.1	7.6	8.4
040		Barite green	O	***	PG7 PY3 PW6	37	196	159	69.4	-49.8	2.1	1.3	6.8	8.7
046		Olive green	O	***	PG17 PY42 PW6	129	139	97	56.6	-13.4	22.3	6.2	5.5	4.1
088		Sap green light	O	***	PR102 PW6 PB15:3 PG7	104	138	107	53.9	-21.2	11.7	2.1	5.2	4.3
235		Charcoal blue	O	***	PW4 PBk1 PB15:3 PR101 PG7	47	92	114	35.3	-9.0	-19.1	8.2	3.4	4.5
241		Brown ochre	O	***	PY42 PW6 PG17 PR101 PBk1	184	141	89	63.0	9.4	35.6	0.6	6.1	5.5
210		Olive brown	O	***	PY42 PBk8/9 PG8	106	91	63	40.0	0.7	19.2	5.0	3.9	2.6
093		Sennelier brown light	O	***	PY42 PR101 PBk11 PY53	124	99	81	44.5	8.4	14.2	7.0	4.3	2.4
238		Orange ochre	O	***	PW6 PY42 PR101 PBk1	220	165	132	73.3	18.2	26.8	4.1	7.1	5.7
025		Flesh ochre	O	***	PY42 PR101 PW4 PW6	217	154	133	70.4	23.3	22.6	0.3	6.8	6.0
231		Gold brown	O	***	PR101 PW6	186	109	99	55.8	32.9	21.4	7.1	5.4	7.4
240		Light English red	O	***	PW6 PR101	187	111	98	56.3	31.6	23.0	8.1	5.4	7.3
209		Violet ochre	O	***	PW6 PR101	169	139	146	60.9	14.7	1.3	7.4	5.9	3.6
212		Mummy	O	***	PW6 PR101	162	122	115	55.5	17.4	10.9	7.5	5.4	3.9
091		Chrome red	O	***	PR101 PR209 PW6	155	85	84	45.7	31.8	16.2	5.4	4.4	6.8
239		Red brown	O	***	PR101 PW6	156	77	61	43.9	34.8	27.5	9.1	4.2	7.8
032		Venetian red	O	***	PR101	141	69	59	39.8	33.1	23.1	8.1	3.8	7.4
034		Burnt umber	O	***	PR101 PBk11 PY42	86	67	62	30.7	8.0	7.1	2.1	3.0	1.6
229		English grey	O	***	PW6 PBk4 PB15:3 PY42 PG7	91	171	196	64.1	-18.7	-23.5	7.7	6.3	6.6
016		Grey green	O	**	PG17 PBk8/9 PW6	129	136	120	55.6	-6.4	7.8	7.5	5.4	1.7
015		Reddish brown grey	O	***	PBr7 PBk9 PW6	155	140	125	59.5	3.6	10.5	9.8	5.8	1.7
017		Violet grey	O	***	PBk8/9 PV16 PW6	155	146	159	61.4	6.7	-5.7	6.7	6.0	2.3
012		Grey deep	O	***	PBk9 PW6	95	101	105	41.9	-1.3	-3.6	0.2	4.1	0.8
228		Charcoal	O	***	PBk8/9 PW6	74	78	82	32.5	-0.9	-3.0	2.4	3.2	0.6
023		Black	O	***	PBk8/9 PBk7	56	56	56	23.2	0.0	-0.4	N	2.0	0.0
221		Transparent medium	T	***	none	247	246	239	96.7	-0.1	2.9	4.0	9.6	0.4
074		Yellow lake	T	**	PY13	255	210	0	90.4	3.7	99.8	5.4	8.8	12.3
233		Luminous yellow	T	***	PW6 PR101	253	198	156	85.1	15.9	29.8	5.7	8.3	5.6
090		Chinese orange	T	**	PR83 PY13	192	68	55	48.7	56.8	38.4	7.0	4.7	13.0
038		Vermilion	T	***	PO20 PR108	241	84	47	60.5	63.4	58.0	8.7	5.8	16.7
008		Bordeaux	T	***	PBk11 PV19	109	50	59	30.2	33.0	9.5	2.5	2.9	6.6
027		Purple	T	***	PW4 PR122	188	49	115	46.3	66.1	1.4	7.8	4.5	15.0
095		Cobalt violet light hue	T	***	PV16 PR122 PW4	208	147	203	68.2	37.1	-18.1	10.0	6.7	10.2
217		Cobalt violet light	T	***	PV14	137	98	178	47.9	34.8	-33.8	5.4	4.7	11.5
076		Violet alizarin lake	T	***	PR122 PV23	97	54	91	29.5	28.6	-11.6	1.7	2.9	6.4
226		Sky blue	T	***	PW4 PB29 PB15:3	0	171	232	62.1	-14.1	-46.7	2.3	6.1	11.5
075		Blue alizarin lake	T	***	PB15:3	0	112	177	38.4	-4.1	-54.3	5.7	4.0	12.6
203		Delft blue	T	***	PB72 PW6 PB15:3	0	118	208	42.2	7.6	-64.6	6.4	4.3	15.6
005		Ultramarine blue	T	***	PV15	65	90	190	37.9	25.2	-59.8	8.3	3.8	15.3
007		Prussian blue	T	***	PB27	12	93	142	34.6	-1.7	-38.1	4.7	3.4	8.6
206		Turquoise blue	T	***	PB36	0	195	206	67.3	-50.7	-26.7	3.1	6.8	8.3
043		Cobalt green light	T	***	PG7 PW6	0	191	160	66.2	-55.2	-4.2	3.6	6.6	8.2
086		Phthalo green light	T	**	PB29 PY53 PY1	126	140	53	56.3	-19.0	43.1	4.7	5.4	7.0
204		Cinnabar yellow brown	T	***	PY129	160	121	46	55.1	5.9	47.5	3.3	5.3	6.7
041		Cinnabar green deep	T	***	PG7 PY3	0	126	69	42.8	-58.0	13.1	3.0	4.3	7.6
044		Viridian green	T	***	PG7	0	114	78	38.5	-48.8	2.5	7.8	3.9	6.0
085		Chrome green medium	T	**	PB29 PY53 PY1	64	95	74	36.9	-15.6	7.1	3.0	3.6	3.2
039		Chromium green deep	T	***	PB15:3 PG7	0	87	93	30.4	-16.2	-16.6	4.7	3.0	4.4
099		Titanium buff	T	***	PBr7 PY42 PW6	227	181	128	78.2	9.6	34.8	9.7	7.6	5.4
026		Yellow ochre	T	***	PY42 PBr7	232	148	53	71.0	23.0	63.3	8.1	6.9	10.8
208		Mars orange	T	***	PR101	204	113	71	59.1	35.3	41.4	1.6	5.7	9.1
223		Cold grey	T	***	PW4 PB8/9	211	210	209	84.1	0.3	0.7	6.9	8.3	0.1
014		Light grey	T	***	PBk8/9 PW4	163	167	171	67.9	-0.6	-2.9	4.6	6.6	0.9
096		Payne's grey	T	**	PBk1 PR83 PB60	62	62	74	26.1	2.8	-7.3	9.4	2.6	1.4
098		Mars black	T	***	PBk11	60	59	59	24.8	0.6	0.2	5.8	2.0	0.1
125		Iridescent white	T	***	Ir	237	233	224	92.4	0.5	4.3	1.2	9.1	0.5
111		Aluminium	T	***	Ir	155	159	162	64.9	-0.9	-2.4	2.4	6.3	0.7
112		Pale gold	T	***	Ir	172	142	109	61.9	6.8	22.7	10.0	6.0	3.5
113		Rich pale gold	T	***	Ir	179	156	115	66.4	2.7	25.1	3.2	6.4	3.7
114		Rich gold	T	***	Ir	177	162	119	67.5	-0.5	24.2	5.3	6.6	3.3
132		Golden pearl	T	***	Ir	232	186	115	79.7	8.7	42.7	1.0	7.8	6.2
115		Red copper	T	***	Ir	153	111	96	51.5	16.3	16.3	1.5	5.0	4.0
134		Red gold	T	**	Ir PR3	214	116	103	61.4	43.5	26.7	6.3	5.9	9.8
135		Reddish brown gold	T	***	Ir	158	82	80	45.4	35.0	18.6	5.5	4.4	7.6
123		Transparent blue	T	***	Ir PB15:3	113	198	215	73.5	-22.1	-20.0	5.6	7.2	6.2
201		Nickel yellow	T/O	***	PY4 PW6	255	237	75	94.6	-9.7	74.1	9.4	9.3	10.0
018		Bright yellow	T/O	***	PO20 PY35 PW6	255	175	95	83.4	30.3	60.7	8.2	7.8	9.5
200		Mandarin	T/O	***	PO73 PW6	255	97	51	66.1	63.5	63.1	9.6	6.1	14.7
029		Red light	T/O	***	PR108	217	60	52	52.7	67.5	46.2	6.8	5.0	15.6
220		Permanent intense red	T/O	***	NR	193	47	53	46.3	65.4	37.4	5.8	4.4	15.2
031		Ruby red	T/O	***	PR170 PR101	179	45	52	43.3	61.7	33.9	5.5	4.1	14.1
230		Rose ochre	T/O	***	PW6 PR101	243	188	172	81.6	19.9	17.1	9.2	8.0	4.8
236		Coral	T/O	***	PW6 PO73	255	189	185	85.0	27.6	16.6	6.6	8.2	5.7
003		Cerulean blue	T/O	***	PB15:1 PBk11 PW4 PW6	0	140	186	50.7	-14.1	-38.9	1.5	5.0	9.6
211		Midnight blue	T/O	***	PB36	0	120	149	42.0	-20.0	-31.7	9.6	4.2	7.5
227		Royal blue	T/O	***	PB29 PW6 PV13	67	130	219	50.6	10.6	-56.0	7.0	5.0	13.6
237		French ultramarine blue	T/O	***	PB29	0	69	191	28.0	36.6	-76.4	7.3	2.9	18.8
082		Bright turquoise	T/O	***	PG7 PB15:3 PW4	0	140	145	47.8	-38.2	-22.6	3.4	4.8	6.4
218		Prussian green	T/O	***	PB38	0	135	130	48.3	-36.1	-10.9	7.7	4.8	6.2
072		Green yellow light	T/O	***	PV53 PG7	205	224	111	86.8	-24.7				

Number	Colour	Name	Opacity	Light fast	Pigments	R	G	B	L	a	b	H	V	C
125		Iridescent white	T	***	Ir	237	233	224	92.4	0.5	4.3	1.2Y	9.1	0.5
111		Aluminium	T	***	Ir	155	159	162	64.9	-0.9	-2.4	2.4PB	6.3	0.7
112		Pale gold	T	***	Ir	172	142	109	61.9	6.8	22.7	10YR	6.0	3.5
113		Rich pale gold	T	***	Ir	179	156	115	66.4	2.7	25.1	13.2Y	6.4	3.7
114		Rich gold	T	***	Ir	177	162	119	67.5	-0.5	24.2	5.3Y	6.6	3.3
132		Golden pearl	T	***	Ir	232	186	115	79.7	8.7	42.7	1.0Y	7.8	6.2
115		Red copper	T	***	Ir	153	111	96	51.5	16.3	16.3	1.5YR	5.0	4.0
135		Reddish brown gold	T	***	Ir	158	82	80	45.4	35.0	18.6	5.5R	4.4	7.6
123		Transparent blue	T	***	Ir PB15:3	113	198	215	73.5	-22.1	-20.0	5.6B	7.2	6.2
134		Red gold	T	**	Ir PR3	214	116	103	61.4	43.5	26.7	6.3R	5.9	9.8
221		Transparent medium	T	***	none	247	246	239	96.7	-0.1	2.9	4.0Y	9.6	0.4
220		Permanent intense red	T/O	***	NR	193	47	53	46.3	65.4	37.4	5.8R	4.4	15.2
215		Havana ochre	T/O	***	NR PR101 PY42 PBk11	155	113	65	52.2	11.6	34.0	9.8YR	5.0	5.7
003		Cerulean blue	T/O	***	PB15:1 PBk11 PW4 PW6	0	140	186	50.7	-14.1	-38.9	1.5PB	5.0	9.6
075		Blue alizarin lake	T	***	PB15:3	0	112	177	38.4	-4.1	-54.3	5.7PB	4.0	12.6
039		Chromium green deep	T	***	PB15:3 PG7	0	87	93	30.4	-16.2	-16.6	4.7B	3.0	4.4
002		Azure blue	O	***	PB15:3 PW6	0	126	185	44.6	-10.4	-48.8	4.5PB	4.5	11.4
007		Prussian blue	T	***	PB27	12	93	142	34.6	-1.7	-38.1	4.7PB	3.4	8.6
243		Earth brown	T/O	***	PB28 PW7	141	106	81	48.7	10.8	20.8	7.2YR	4.7	3.7
237		French ultramarine blue	T/O	***	PB29	0	69	191	28.0	36.6	-76.4	7.3PB	2.9	18.8
084		Blue chromium green	O	***	PB29 PV53 PY3 PW6	60	137	177	51.4	-7.9	-32.5	2.9PB	5.0	8.0
006		Pale blue	O	***	PB29 PW4	113	176	238	67.1	-1.0	-41.3	6.1PB	6.6	10.0
225		Indian blue	O	***	PB29 PW6 PB15:3	25	146	221	54.1	-2.2	-52.6	5.4PB	5.3	12.8
227		Royal blue	T/O	***	PB29 PW6 PV13	67	130	219	50.6	10.6	-56.0	7.0PB	5.0	13.6
086		Phthalo green light	T	**	PB29 PY53 PY1	126	140	53	56.3	-19.0	43.1	4.7GY	5.4	7.0
085		Chrome green medium	T	**	PB29 PY53 PY1	64	95	74	36.9	-15.6	7.1	3.0G	3.6	3.2
211		Midnight blue	T/O	***	PB36	0	120	149	42.0	-20.0	-31.7	9.6B	4.2	7.5
206		Turquoise blue	T	***	PB36	0	195	206	67.3	-50.7	-26.7	3.1B	6.8	8.3
219		Celestial blue	O	***	PB36 PB15:3	0	164	188	56.1	-40.5	-33.6	7.0B	5.7	8.4
222		Phthalo blue	O	***	PB36 PW6	53	158	187	58.1	-18.4	-28.3	9.0B	5.7	7.7
214		Celadon green	O	***	PB36 PW6	75	165	166	60.9	-27.4	-12.1	9.9BG	5.9	5.7
218		Prussian green	T/O	***	PB38	0	135	130	48.3	-36.1	-10.9	7.7BG	4.8	6.2
203		Delft blue	T	***	PB72 PW6 PB15:3	0	118	208	42.2	7.6	-64.6	6.4PB	4.3	15.6
096		Payne's grey	T	**	PBk1 PR83 PB60	62	62	74	26.1	2.8	-7.3	9.4PB	2.6	1.4
098		Mars black	T	***	PBk11	60	59	59	24.8	0.6	0.2	5.8R	2.0	0.1
008		Bordeaux	T	***	PBk11 PV19	109	50	59	30.2	33.0	9.5	2.5R	2.9	6.6
035		Raw umber	T/O	***	PBk11 PY42 PR101	78	70	64	30.3	2.5	5.2	9.5YR	3.0	0.8
033		Sepia	T/O	***	PBk11 PY42 PR101	73	65	61	28.2	2.6	3.7	7.3YR	3.0	0.7
023		Black	O	***	PBk8/9 PBk7	56	56	56	23.2	0.0	-0.4	N	2.0	0.0
017		Violet grey	O	***	PBk8/9 PV16 PW6	155	146	159	61.4	6.7	-5.7	6.7P	6.0	2.3
014		Light grey	T	***	PBk8/9 PW4	163	167	171	67.9	-0.6	-2.9	4.6PB	6.6	0.9
228		Charcoal	O	***	PBk8/9 PW6	74	78	82	32.5	-0.9	-3.0	2.4PB	3.2	0.6
011		Blue grey	T/O	***	PBk9 PB15:3 PW6	162	186	189	73.0	-6.8	-5.9	5.8B	7.2	2.0
080		Indigo light	O	***	PBk9 PB29 PB15:3 PW6	58	80	96	31.9	-4.0	-13.5	2.0PB	3.1	2.8
012		Grey deep	O	***	PBk9 PW6	95	101	105	41.9	-1.3	-3.6	0.2PB	4.1	0.8
092		Brown madder	T/O	***	PBr23	103	59	52	30.9	23.0	14.1	8.0R	3.0	4.6
015		Reddish brown grey	O	***	PBr7 PBk9 PW6	155	140	125	59.5	3.6	10.5	9.8YR	5.8	1.7
099		Titanium buff	T	***	PBr7 PY42 PW6	227	181	128	78.2	9.6	34.8	9.7YR	7.6	5.4
094		Brown pink	T/O	***	PBr7 PY83	113	91	57	41.1	2.7	24.5	3.9Y	4.0	3.5
016		Grey green	O	**	PG17 PBk8/9 PW6	129	136	120	55.6	-6.4	7.8	7.5GY	5.4	1.7
046		Olive green	O	***	PG17 PY42 PW6	129	139	97	56.6	-13.4	22.3	6.2GY	5.5	4.1
213		Pine green	T/O	***	PG26	51	102	86	38.7	-22.2	2.0	1.0G	3.8	4.1
045		Green medium	T/O	***	PG36 PY3 PW4	25	103	63	37.8	-36.5	14.1	3.0G	3.7	6.5
044		Viridian green	T	***	PG7	0	114	78	38.5	-48.8	2.5	7.8G	3.9	6.0
082		Bright turquoise	T/O	***	PG7 PB15:3 PW4	0	140	145	47.8	-38.2	-22.6	3.4B	4.8	6.4
043		Cobalt green light	T	***	PG7 PW6	0	191	160	66.2	-55.2	-4.2	3.6BG	6.6	8.2
041		Cinnabar green deep	T	***	PG7 PY3	0	126	69	42.8	-58.0	13.1	3.0G	4.3	7.6
040		Barite green	O	***	PG7 PY3 PW6	37	196	159	69.4	-49.8	2.1	1.3BG	6.8	8.7
087		Sap green	T/O	**	PG8	55	67	60	26.8	-6.8	1.8	5.5G	3.0	1.4
038		Vermilion	T	***	PO20 PR108	241	84	47	60.5	63.4	58.0	8.7R	5.8	16.7
018		Bright yellow	T/O	***	PO20 PY35 PW6	255	175	95	83.4	30.3	60.7	8.2YR	7.8	9.5
200		Mandarin	T/O	***	PO73 PW6	255	97	51	66.1	63.5	63.1	9.6R	6.1	14.7
208		Mars orange	T	***	PR101	204	113	71	59.1	35.3	41.4	1.6YR	5.7	9.1
032		Venetian red	O	***	PR101	141	69	59	39.8	33.1	23.1	8.1R	3.8	7.4
036		Burnt sienna	T/O	***	PR101 PBk11	108	70	60	34.6	15.8	14.3	1.7YR	3.4	3.5
034		Burnt umber	O	***	PR101 PBk11 PY42	86	67	62	30.7	8.0	7.1	2.1YR	3.0	1.6
091		Chrome red	O	***	PR101 PR209 PW6	155	85	84	45.7	31.8	16.2	5.4R	4.4	6.8
231		Gold brown	O	***	PR101 PW6	186	109	99	55.8	32.9	21.4	7.1R	5.4	7.4
239		Red brown	O	***	PR101 PW6	156	77	61	43.9	34.8	27.5	9.1R	4.2	7.8
088		Sap green light	O	***	PR102 PW6 PB15:3 PG7	104	138	107	53.9	-21.2	11.7	2.1G	5.2	4.3
029		Red light	T/O	***	PR108	217	60	52	52.7	67.5	46.2	6.8R	5.0	15.6
030		Red deep	O	***	PR108	172	47	53	42.1	59.5	31.1	5.2R	4.0	13.5
076		Violet alizarin lake	T	***	PR122 PV23	97	54	91	29.5	28.6	-11.6	1.7RP	2.9	6.4
031		Ruby red	T/O	***	PR170 PR101	179	45	52	43.3	61.7	33.9	5.5R	4.1	14.1
077		Pale pink madder lake	O	***	PR209 PW6	248	124	158	69.0	53.8	9.8	8.9RP	6.7	11.9
028		Pink	O	**	PR3 PW4	207	79	85	53.5	58.8	28.1	4.5R	5.1	13.3
090		Chinese orange	T	**	PR83 PY13	192	68	55	48.7	56.8	38.4	7.0R	4.7	13.0
217		Cobalt violet light	T	***	PV14	137	98	178	47.9	34.8	-33.8	5.4P	4.7	11.5
005		Ultramarine blue	T	***	PV15	65	90	190	37.9	25.2	-59.8	8.3PB	3.8	15.3
095		Cobalt violet light hue	T	***	PV16 PR122 PW4	208	147	203	68.2	37.1	-18.1	1.0P	6.7	10.2
047		Blue violet	O	***	PV16 PV23 PW6	81	73	135	32.9	20.1	-34.1	0.5P	3.3	8.4
048		Red violet	O	***	PV19 PV16 PW6	121	63	103	35.4	37.0	-9.9	3.8RP	3.4	8.0
072		Green yellow light	T/O	***	PV53 PG7	205	224	111	86.8	-24.7	49.8	6.0GY	8.5	7.7
004		Cobalt blue	O	***	PW4 PB29	0	81	198	31.9	31.1	-74.3	6.3PB	3.3	17.6
226		Sky blue	T	***	PW4 PB29 PB15:3	0	171	232	62.1	-14.1	-46.7	2.3PB	6.1	11.5
223		Cold grey	T	***	PW4 PB8/9	211	210	209	84.1	0.3	0.7	6.9YR	8.3	0.1
235		Charcoal blue	O	***	PW4 PBk1 PB15:3 PR101 PG7	47	92	114	35.3	-9.0	-19.1	8.2B	3.4	4.5
224		Medium grey	T/O	***	PW4 PBk8/9	124	129	135	53.4	-1.0	-4.1	3.2PB	5.2	1.1
027		Purple	T	***	PW4 PR122	188	49	115	46.3	66.1	1.4	7.8RP	4.5	15.0
001		White	O	***	PW6	249	248	244	97.6	0.0	1.7	4.6Y	9.7	0.2
202		Geranium lake light	O	**	PW6 NR	216	99	125	58.5	56.1	11.5	9.8RP	5.6	13.0
207		Ash blue	O	***	PW6 PB15:3	73	196	235	71.2	-21.9	-34.2	9.2B	7.0	9.1
229		English grey	O	***	PW6 PBk4 PB15:3 PY42 PG7	91	171	196	64.1	-18.7	-23.5	7.7B	6.3	6.6
236		Coral	T/O	***	PW6 PO73	255	189	185	85.0	27.6	16.6	6.6R	8.2	5.7
233		Luminous yellow	T	***	PW6 PR101	253	198	156	85.1	15.9	29.8	5.7YR	8.3	5.6
230		Rose ochre	T/O	***	PW6 PR101	243	188	172	81.6	19.9	17.1	9.2R	8.0	4.8
240		Light English red	O	***	PW6 PR101	187	111	98	56.3	31.6	23.0	8.1R	5.4	7.3
209		Violet ochre	O	***	PW6 PR101	169	139	146	60.9	14.7	1.3	7.4RP	5.9	3.6
212		Mummy	O	***	PW6 PR101	162	122	115	55.5	17.4	10.9	7.5R	5.4	3.9
232		Terra cotta	T/O	***	PW6 PR101 PY42	218	134	91	65.8	30.6	39.1	2.8YR	6.4	8.6
216		Parma violet	O	***	PW6 PV23	98	90	164	40.3	24.2	-39.9	1.0P</		