

January 3, 1956

REVISED ISCC-NBS COLOR DESIGNATIONS FOR THE COLORS OF THE STANDARD COLOR  
CARDS ISSUED BY THE TEXTILE COLOR CARD ASSOCIATION OF THE UNITED STATES.\*

This Letter Circular brings up-to-date the color designations for the colors of the Standard Color Card of America<sup>1</sup> and the U.S. Army Color Card<sup>2</sup> given in National Bureau of Standards Research Paper RP1700<sup>3</sup>. The color designations given in RP1700 were based on the original ISCC-NBS method defined in RP1239<sup>4</sup>; these have been changed to accord with the revised ISCC-NBS method given in NBS Circular 553<sup>5</sup>.

The following table is identical with table 5 of RP1700 except that the last column corresponds to the revised method given in NBS Circular 553, and except for four entries as follows: two colors have been added to the Supplement to the U.S. Army Color Card, U.S. Air Force Yellow (65023) and U.S. Army Teal Blue (65024), and two color names for two colors already in the U.S. Army Color Card have been changed, U.S. Army Pansy (65009) to U.S. Army Purple and U.S. Army Mosstone (65022) to U.S. Army Mosstone Green. These additions and changes have been made at the request of the Textile Color Card Association.

#### References

1. Standard Color Card of America, Ninth Edition (1941). Issued by The Textile Color Card Association of the United States, Inc., 200 Madison Avenue, New York 16, N. Y.
2. United States Army Color Card of the Official Colors for Arms and Services, Branches, Agencies, etc., 1930, Revised 1938, 1943, Second Edition 1953. Issued by The Textile Color Card Association of the United States, Inc.
3. Genevieve Reimann, Deane B. Judd and Harry J. Keegan, Spectrophotometric and colorimetric determination of the colors of the TCCA Standard Color Cards, J. Research NBS 36, 209 (1946) RP1700.
4. Deane B. Judd and Kenneth L. Kelly, Method of designating colors, J. Research NBS 23, 355 (1939).
5. Kenneth L. Kelly and Deane B. Judd, The ISCC-NBS method of designating colors and a dictionary of color names, NBS Circular 553, November 1, 1955.

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\* On December 1, 1955, the Textile Color Card Association of the United States, Inc., shortened its name to The Color Association of the United States, Inc.

Revised Table 5 -- Adopted color specifications for the TCCA Standard Color Card of America, ninth edition, and the U.S. Army Color Card.

TCCA Name	Cable No.	CIE Specification		Munsell Renotation		Munsell Book Notation		ISCC-NBS Color Designation
		Y	X	H	V/C	H	V/C	
White	70001	0.753	0.320	2.5Y	8.8/0.7	2.5Y	9.1/0.7	White to yellowish white
Ivory	70002	.765	.329	1.0Y	8.9/1.3	2Y	9.1/1.6	Yellowish white
Cream	70003	.750	.334	3.5Y	8.8/1.7	4Y	9.1/2.2	Do.
Eggshell	70004	.632	.348	1.6Y	8.2/2.5	2.3Y	8.3/3.1	Pale yellow
Leghorn	70005	.621	.371	2.4Y	8.2/4.2	2.5Y	8.3/4.8	Do.
Maize	70006	.622	.409	1.1Y	8.2/6.8	1Y	8.2/7.4	Light yellow
Pale Blue	70007	.634	.305	8.4BG	8.2/0.5	8B	8.2/0.7	Light gray to light greenish gray
Pastel Blue	70008	.524	.285	0.2PB	7.6/2.6	9.6B	7.6/2.2	Very pale blue
Baby Blue	70009	.532	.281	0.2PB	7.7/3.0	10B	7.6/2.8	Do.
Sky Blue	70010	.377	.273	9.4B	6.6/3.4	9B	6.4/3.0	Pale blue
Blue Flower	70011	.400	.262	1.2PB	6.8/4.7	1.2PB	6.7/4.6	Do.
Forget-me-not	70012	.360	.241	0.2PB	6.5/6.4	0.7PB	6.3/6.9	Light blue
Flesh Pink	70013	.662	.340	9.9R	8.4/2.6	9R	8.5/2	Pale yellowish pink
Baby Pink	70014	.648	.348	3.4R	8.3/4.1	6R	8.5/5	Light pink
Pastel Pink	70015	.580	.359	2.0R	7.9/5.4	5R	7.9/6	Moderate pink
Arbutus Pink	70016	.552	.362	1.0R	7.8/5.9	4R	7.7/7	Do.
Rose Pink	70017	.459	.384	0.2R	7.2/7.9	2.2R	7.2/10.2	Strong pink
Sea Pink	70018	.327	.400	1.5R	6.2/8.2	2.5R	6.2/9.4	Deep pink
Tourmaline	70019	.548	.299	3.4BG	7.8/1.3	7BG	7.7/1.3	Very pale green
Turquoise	70020	.472	.271	8.5BG	7.3/3.7	7.5BG	7.1/4.1	Light bluish green

STANDARD COLOR CARD OF AMERICA

Blue Turquoise	70021	0.340	0.239	0.293	2.7B 6.3/5.6	1.9B 6.2/6.0	Light greenish blue
Grotto Blue	70022	.229	.207	.260	5.1B 5.3/7.4	5.3B 5.2/6.7	Strong greenish blue
Peacock	70023	.106	.199	.257	4.2B 3.8/6.0	3.2B 3.6/6.6	Moderate greenish blue
Duckling	70024	.052	.205	.264	2.9B 2.7/4.5	4B 2.4/5	Dark greenish blue
Tea Rose	70025	.554	.398	.331	6.2R 7.8/7.4	9R 7.9/9	Strong yellowish pink
Salmon Pink	70026	.524	.414	.343	8.5R 7.6/7.7	10R 7.7/9	Do.
Shell Pink	70027	.523	.432	.330	5.6R 7.6/10.1	8R 7.6/10	Do.
Melon Pink	70028	.385	.458	.326	5.1R 6.7/11.5	7R 6.7/10	Vivid yellowish pink
Tigerlily	70029	.252	.486	.330	5.9R 5.6/11.3	7R 5.7/11	Deep yellowish pink
Flame Red	70030	.182	.542	.335	7.3R 4.8/12.7	6.7R 4.9/12.6	Strong reddish orange
Nile	70031	.508	.339	.378	4.9GY 7.5/3.3	3.9GY 7.5/3.4	Light to moderate yellow green
Pistache	70032	.370	.311	.371	0.4G 6.6/3.6	10GY 6.5/3.3	Light yellowish green
Tarragon	70033	.228	.305	.370	1.1G 5.3/3.4	1.2G 5.3/2.9	Moderate yellowish green
Palmetto	70034	.171	.315	.355	8.7GY 4.7/2.0	9GY 4.6/1.8	Grayish green
Reseda	70035	.092	.306	.361	0.8G 3.5/2.3	1G 3.2/1.7	Grayish to dark grayish green
Evergreen	70036	.046	.302	.377	0.6G 2.5/2.8	1G 2.0/2.5	Dark to very dark yellowish green
Apricot	70037	.410	.412	.374	5.5YR 6.9/6.1	6.4YR 7.0/6.1	Moderate orange
Honeydew	70038	.435	.442	.370	2.5YR 7.0/8.3	2.4YR 7.2/9.0	Do.
Salmon	70039	.336	.480	.353	8.8R 6.3/10.7	9R 6.2/11.2	Moderate reddish orange
Tangerine	70040	.172	.535	.337	7.4R 4.7/11.9	7R 4.8/12.2	Strong reddish orange
Carica	70041	.162	.583	.340	8.2R 4.6/14.3	7.5R 4.5/15	Vivid reddish orange
Pimento	70042	.132	.587	.327	7.2R 4.2/14.1	6R 4.0/15	Vivid red
Sistine	70043	.326	.262	.273	2.6PB 6.2/4.7	2.5PB 5.9/4.1	Pale blue
Copenhagen	70044	.158	.249	.254	4.2PB 4.5/4.8	4.3PB 4.3/4.7	Grayish blue
Tile Blue	70045	.121	.239	.250	2.5PB 4.0/4.7	2PB 3.9/4.7	Do.
Flemish Blue	70046	.078	.231	.235	3.7PB 3.3/4.7	3.6PB 3.1/4.7	Do.
Peking Blue	70047	.063	.214	.215	4.0PB 3.0/5.5	4.1PB 2.8/5.9	Moderate to dark blue
Marine Corps	70048	.046	.227	.221	4.9PB 2.5/4.4	5.4PB 2.3/4.0	Dark blue
Cherry	70049	.127	.464	.262	8.8RP 4.1/12.4	9RP 3.9/14	Strong purplish red
Harvard Crimson	70050	.087	.484	.274	0.7R 3.4/10.3	1.5R 3.2/12	Deep purplish red

Ruby	70051	0.083	0.443	0.265	8.6RP 3.4/9.2	0.4R 3.1/10.4	Deep purplish red
American Beauty	70052	.059	.465	.263	0.2R 2.8/8.8	1R 2.6/11	Dark purplish red
Magenta	70053	.066	.458	.261	9.3RP 3.0/9.0	1R 2.8/11	Dark to deep purplish red
Redgrape	70054	.049	.426	.251	8.2RP 2.6/7.8	1ORP 2.2/9	Dark purplish red
Lavender	70055	.300	.300	.271	5.5P 6.0/4.8	5.7P 6.1/4.1	Pale purple
Lilac	70056	.187	.303	.248	6.5P 4.9/6.4	6P 4.9/5.5	Moderate purple
Mauve	70057	.172	.287	.216	5.2P 4.7/9.3	5.2P 4.6/8.7	Strong purple
Violet	70058	.130	.259	.184	2.6P 4.2/11.0	2.6P 4.1/9.7	Strong violet
Pansy	70059	.044	.234	.147	0.9P 2.4/10.0	1P 2.2/10	Deep violet
Purple	70060	.027	.241	.165	0.6P 1.8/6.9	1P 1.6/8	Dark violet
Spring Green	70061	.348	.353	.459	6.3GY 6.4/7.2	6.8GY 6.2/6.8	Strong yellow green
Mintleaf	70062	.289	.324	.458	8.8GY 5.9/7.6	9.6GY 5.7/7.5	Strong yellowish green
Emerald	70063	.163	.286	.478	1.2G 4.6/8.2	1.4G 4.5/8.8	Do.
Hunter	70064	.070	.290	.434	1.0G 3.1/5.1	1.5G 2.8/4.6	Dark yellowish green
Myrtle	70065	.074	.264	.397	4.5G 3.2/5.1	5.2G 2.9/4.3	Dark green
Bottle Green	70066	.043	.281	.363	4.9G 2.4/2.9	4.1G 2.1/2.6	Do.
Jasmine	70067	.659	.414	.424	3.6Y 8.4/7.7	3.5Y 8.2/8.0	Light yellow
Spanish Yellow	70068	.525	.482	.448	0.4Y 7.6/12.2	10YR 7.6/11	Strong orange yellow
Orange	70069	.380	.516	.419	5.7YR 6.6/12.7	5YR 6.6/13	Strong orange
Princeton Orange	70070	.347	.519	.406	4.3YR 6.4/12.5	3.3YR 6.4/12.6	Do.
Golden Poppy	70071	.264	.555	.386	1.6YR 5.7/13.8	1YR 5.6/14	Vivid reddish orange
Indian Orange	70072	.203	.560	.359	9.4R 5.1/13.2	9R 5.1/14	Do.
Periwinkle	70073	.166	.253	.227	8.7PB 4.6/6.8	8.8PB 4.5/6.6	Light purplish blue
Cornflower Blue	70074	.110	.222	.176	8.4PB 3.8/9.8	9PB 3.8/11	Strong purplish blue
Old Glory Blue	70075	.040	.229	.186	8.2PB 2.3/6.1	8.6PB 2.1/5.3	Moderate purplish blue
Independence	70076	.030	.241	.209	7.8PB 2.0/4.3	8PB 1.8/3.1	Grayish to dark purplish blue
National Flag Blue	70077	.025	.259	.238	7.6PB 1.7/2.5	8PB 1.5/1.8	Dark purplish blue
Homage Blue	70078	.023	.269	.252	7.7PB 1.7/2.0	8PB 1.5/1.4	Blackish blue to dark purplish blue
Geranium	70079	.201	.509	.297	2.7R 5.0/14.0	3R 5.0/15	Vivid red
Scarlet	70080	.153	.567	.307	4.9R 4.5/14.9	5R 4.4/15	Do.

Cardinal	70081	0.086	0.528	0.300	4.1R 3.4/10.6	4R 3.3/1.2	Deep red
Dark Cardinal	70082	.056	.480	.290	2.8R 2.8/7.7	4R 2.5/1.0	Dark red
Garnet	70083	.041	.422	.294	3.0R 2.3/4.9	4.6R 2.0/7.0	Do.
Maroon	70084	.042	.383	.294	1.0R 2.4/3.5	2.9R 2.1/3.9	Dark red to dark purplish red
Lustre Blue	70085	.081	.213	.188	6.6PB 3.3/7.9	6.8PB 3.2/8.3	Moderate blue
Yale Blue	70086	.063	.204	.165	7.3PB 2.9/8.8	7.2PB 2.9/9.1	Deep purplish blue
Royal Blue	70087	.041	.195	.153	6.9PB 2.3/8.4	7.3PB 2.1/7.7	Deep blue
Navy 1	70088	.039	.238	.226	5.8PB 2.3/3.9	6.2PB 2.1/2.8	Dark blue
Navy 2	70089	.027	.240	.230	5.7PB 1.8/3.2	6PB 1.7/2.6	Do.
Midnight	70090	.022	.263	.255	6.0PB 1.6/1.9	6PB 1.4/1.5	Blackish blue
Champagne	70091	.518	.366	.358	8.5YR 7.6/3.5	9.2YR 7.5/4.0	Pale orange yellow
Cork	70092	.237	.393	.366	6.8YR 5.4/4.0	7.3YR 5.4/4.1	Light brown
Sandalwood	70093	.178	.392	.362	6.0YR 4.8/3.6	6.9YR 4.6/3.3	Do.
Oakwood	70094	.124	.411	.366	5.2YR 4.1/3.7	5.5YR 3.8/3.3	Moderate brown
Tobacco	70095	.053	.418	.358	4.3YR 2.7/3.1	4.2YR 2.5/3.7	Do.
African Brown	70096	.046	.347	.331	4.7YR 2.5/1.1	5YR 2.4/1.2	Brownish gray to dark grayish brown
Vassar Rose	70097	.387	.379	.298	8.1RP 6.7/8.1	9RP 6.5/9	Moderate purplish pink
Peach Blossom	70098	.242	.422	.291	9.2RP 5.5/10.3	9.5RP 5.2/10.3	Deep Pink to moderate purplish red
Strawberry	70099	.148	.418	.283	8.8RP 4.4/8.8	9.8RP 4.1/8.6	Moderate purplish red
Raspberry	70100	.090	.425	.273	8.6RP 3.5/8.2	9.5RP 3.3/8.7	Moderate to dark purplish red
Claret	70101	.036	.374	.287	9.9RP 2.2/3.4	1.3R 1.8/3.8	Dark purplish red
Burgundy	70102	.032	.354	.289	8.7RP 2.0/2.3	0.5R 1.6/2.0	Dark to very dark purplish red
Ecru	70103	.343	.353	.354	0.9Y 6.4/2.3	1.4Y 6.2/2.3	Light grayish yellowish brown
Beige	70104	.245	.368	.355	7.8YR 5.5/2.8	8.4YR 5.4/3.0	Light grayish brown
Fawn	70105	.178	.370	.356	8.1YR 4.8/2.6	8.7YR 4.7/2.5	Grayish yellowish brown
Beaver	70106	.127	.366	.351	7.6YR 4.1/2.0	8YR 4.0/1.9	Grayish brown
Autumn Brown	70107	.058	.396	.363	7.1YR 2.8/2.5	8.2YR 2.6/2.7	Grayish to moderate brown
Seal	70108	.043	.357	.342	7.1YR 2.4/1.3	9YR 2.1/1.6	Dark grayish brown
Old Blue	70109	.345	.293	.304	1.2PB 6.4/1.7	1.0B 6.2/1.2	Pale blue
Mistiblu	70110	.192	.286	.293	3.5PB 4.9/2.0	3FB 4.8/1.5	Grayish blue

West Point	70111	0.091	0.279	0.286	3.6PB	3.5/1.7	2PB	3.4/1.4	Grayish blue
Bluesteel	70112	.073	.271	.276	4.0PB	3.2/2.0	3PB	3.1/1.8	Do.
Stone Blue	70113	.069	.275	.271	6.0PB	3.1/2.0	6PB	3.0/1.8	Do.
Graphite Blue	70114	.032	.267	.261	6.2PB	2.0/2.0	6PB	1.9/1.4	Dark grayish to blackish blue, grayish to dark purplish blue
Amberlite	70115	.371	.414	.389	8.6YR	6.6/5.9	8.8YR	6.4/5.7	Light yellowish brown
Topaz	70116	.311	.438	.394	7.3YR	6.1/6.8	7.2YR	5.9/6.8	Dark orange yellow
Burnished Straw	70117	.209	.430	.380	5.8YR	5.1/5.5	6.1YR	5.2/5.6	Light brown
Gold Brown	70118	.156	.456	.374	3.4YR	4.5/6.2	3.6YR	4.3/6.1	Brownish orange to strong brown
Brown	70119	.071	.441	.368	4.2YR	3.1/4.2	4.3YR	2.8/4.3	Moderate brown
Caramel Brown	70120	.047	.431	.354	3.1YR	2.5/3.5	3YR	2.2/4	Moderate to dark brown
Starlight Blue	70121	.407	.283	.288	5.2PB	6.8/3.2	5.6PB	6.6/2.7	Pale purplish blue
Lupine	70122	.273	.264	.264	5.6PB	5.8/5.0	6PB	5.5/4.7	Pale to light purplish blue
Hydrangea Blue	70123	.136	.248	.243	5.7PB	4.2/5.1	6PB	4.1/5.2	Moderate blue
Grecian Rose	70124	.312	.390	.331	6.8R	6.1/5.5	7.1R	5.9/5.1	Dark yellowish pink
Bois de Rose	70125	.190	.419	.331	6.6R	4.9/6.1	7.2R	4.9/5.0	Grayish red
Mahogany	70126	.057	.421	.325	6.8R	2.8/3.8	8R	2.5/4	Moderate reddish brown
Sunset	70127	.598	.377	.365	8.2YR	8.0/4.4	8.6YR	8.1/5.2	Pale orange yellow
Tan	70128	.334	.389	.374	8.7YR	6.3/4.4	9YR	6.1/4.3	Light yellowish brown
Maple Sugar	70129	.182	.414	.387	9.0YR	4.8/4.5	9.1YR	4.8/4.4	Moderate yellowish brown
Almond Green	70130	.182	.310	.352	0.2G	4.8/2.0	10GY	4.6/1.7	Grayish green
Blue Spruce	70131	.138	.284	.346	7.3G	4.3/2.8	7.5G	4.0/2.1	Moderate green
Jungle Green	70132	.042	.267	.337	1.1BG	2.4/2.7	0.6BG	2.2/2.1	Dark bluish green
Orchid	70133	.418	.311	.275	7.5P	6.9/5.8	8P	6.7/5	Light purple
Ame thyst	70134	.104	.306	.226	7.4P	3.8/7.2	7P	3.7/6.2	Moderate purple
Plum	70135	.041	.298	.222	6.4P	2.3/4.9	6.5P	2.2/4.1	Dark purple
Sand	70136	.404	.336	.341	1.4Y	6.8/1.5	2.6Y	6.8/1.6	Yellowish gray
Castor	70137	.081	.342	.340	9.8YR	3.3/1.0	1Y	3.1/1.0	Brownish gray
Taupe	70138	.060	.340	.336	8.6YR	2.9/0.9	10YR	2.8/0.9	Do.
Nude	70139	.346	.352	.347	8.4YR	6.4/2.2	9.3YR	6.3/2.4	Light grayish yellowish brown
Toast Brown	70140	.135	.401	.355	3.6YR	4.2/3.7	4.2YR	4.0/3.0	Moderate brown

Spicebrown	70141	0.053	0.416	0.355	3.6YR 2.7/3.1	3.6YR 2.4/3.5	Moderate brown
Brittany Blue	70142	.236	.247	.275	8.6B 5.4/4.8	7.7B 5.2/4.2	Moderate greenish blue
Old China	70143	.128	.230	.246	1.5PB 4.1/5.4	1PB 4.0/5.3	Moderate blue
Peasant Blue	70144	.087	.239	.245	3.4PB 3.4/4.2	3.1PB 3.2/4.0	Grayish blue
Aqua	70145	.259	.270	.315	8.OBG 5.6/3.0	7.LBG 5.4/3.0	Light bluish green
River Blue	70146	.143	.260	.303	1.1B 4.3/3.0	8.2BG 4.2/2.8	Grayish blue to moderate greenish blue
Teal	70147	.067	.232	.271	5.3B 3.0/3.3	5.3B 2.9/3.3	Dark greenish blue
Peach	70148	.554	.395	.358	3.5YR 7.8/5.7	5YR 7.8/7	Moderate yellowish pink
Crab Apple	70149	.293	.493	.345	7.7R 5.9/11.5	7.4R 5.9/12.2	Strong reddish orange
Lacquer	70150	.123	.511	.334	7.3R 4.0/9.5	7.5R 3.8/10.2	Dark reddish orange
Silver	70151	.310	.322	.325	8.0YR 6.1/0.6	10YR 6.1/0.6	Medium gray
Nickel	70152	.286	.314	.316	1.2R 5.9/0.5	10RP 5.9/0.3	Medium gray to reddish gray
Steel	70153	.171	.309	.307	6.3P 4.7/0.8	7P 4.6/0.5	Purplish gray
Limepeel	70154	.285	.380	.450	2.7GY 5.9/6.0	2.8GY 5.7/5.5	Moderate yellow green
Mosstone	70155	.197	.375	.441	2.7GY 5.0/5.0	3GY 4.9/5.0	Do.
Olive	70156	.081	.357	.415	3.1GY 3.3/3.2	3.1GY 3.1/4.5	Moderate olive green
Old Gold	70157	.313	.433	.428	2.3Y 6.1/6.9	2.4Y 5.9/6.2	Dark yellow
Gold	70158	.266	.445	.427	1.3Y 5.7/7.1	1.1Y 5.5/7.0	Do.
Bronze	70159	.088	.414	.402	1.8Y 3.5/3.8	2Y 3.2/4	Moderate olive brown
Burnt Orange	70160	.184	.506	.373	1.5YR 4.8/9.2	1.2YR 4.8/9.8	Moderate reddish orange
Terra Cotta	70161	.088	.494	.350	9.8R 3.5/7.0	9.9R 3.2/8.0	Moderate to strong reddish brown, dark reddish orange
Henna	70162	.080	.454	.342	9.4R 3.3/5.3	9.8R 3.0/5.8	Moderate reddish brown
Heliotrope	70163	.110	.343	.256	2.3RP 3.8/5.9	2.5RP 3.6/5.4	Moderate reddish purple
Prune	70164	.030	.311	.237	8.6P 2.0/4.0	8.5P 1.8/3.2	Dark to very dark purple
Eggplant	70165	.030	.308	.279	7.5P 1.9/1.5	7P 1.8/1.2	Blackish purple
Jade Green	70166	.267	.320	.401	8.8GY 5.7/4.6	8.8GY 5.6/4.1	Moderate yellowish green
Primitive Green	70167	.156	.247	.450	3.6G 4.5/8.9	4.1G 4.4/8.5	Strong green
Irish Green	70168	.081	.224	.460	4.0G 3.3/8.8	5G 3.1/8	Deep green
Putty	70169	.305	.332	.330	6.5YR 6.0/1.2	7.5YR 6.0/1.2	Light brownish gray to light grayish brown
Pigeon	70170	.196	.325	.317	4.1R 5.0/1.1	6R 5.0/0.7	Reddish gray

Smoke	70171	0.061	0.321	0.316	5.1R 2.9/0.4	10R 2.9/0.4	Dark gray
Purple Orchid	70172	.097	.323	.187	9.3P 3.6/12.1	10P 3.3/11	Strong reddish purple
Dahlia Purple	70173	.057	.296	.171	7.0P 2.8/10.2	8P 2.6/10	Deep purple
Imperial Purple	70174	.054	.306	.195	7.9P 2.7/8.0	8.3P 2.6/7.6	Do.
Saxe Blue	70175	.205	.250	.269	0.8PB 5.1/4.6	0.8PB 5.0/4.2	Grayish blue
Electric	70176	.094	.225	.254	8.6B 3.6/4.6	7.8B 3.4/4.2	Moderate greenish blue
Majolica Blue	70177	.088	.220	.235	1.6PB 3.5/5.3	1.4PB 3.3/5.0	Moderate blue
Shrimp Pink	70178	.301	.478	.317	4.0R 6.0/12.8	5R 5.9/1.3	Deep pink to deep yellowish pink
Apple Red	70179	.142	.551	.309	4.8R 4.3/13.6	5R 4.2/14	Vivid red
Old Glory Red	70180	.082	.560	.308	5.5R 3.3/11.1	5R 3.1/14	Do.
Chalk Pink	70181	.497	.362	.323	5.0R 7.4/4.6	6.1R 7.4/4.8	Moderate pink
Old Rose	70182	.282	.383	.310	1.1R 5.8/6.3	2.2R 5.7/6.5	Dark pink
Goldmist	70183	.425	.378	.397	5.3Y 7.0/4.5	6.6Y 7.0/4.6	Grayish yellow
Light Olive Drab	70184	.097	.386	.381	1.8Y 3.6/2.7	2.2Y 3.5/2.8	Moderate olive brown
Gull	70185	.389	.325	.325	5.0YR 6.7/0.9	5YR 6.7/1.0	Pinkish gray
Grebe	70186	.092	.318	.319	1.8YR 3.5/0.3	10YR 3.5/0.2	Dark gray
Flax	70187	.399	.369	.369	1.2Y 6.8/3.5	1.7Y 6.8/3.4	Grayish yellow
Khaki	70188	.276	.366	.365	1.1Y 5.8/2.7	1.2Y 5.7/2.9	Light olive brown
Ashes of Rose	70189	.214	.359	.288	5.5RP 5.2/5.9	6RP 5.1/5.7	Grayish purplish red
Catawba	70190	.044	.360	.267	5.0RP 2.4/4.7	6.9RP 2.2/3.6	Dark purplish red
Rose Beige	70191	.310	.383	.354	4.5YR 6.1/4.0	5.5YR 6.0/4.0	Light brown
Cocoa	70192	.102	.417	.351	1.9YR 3.7/4.0	2.8YR 3.3/3.7	Moderate reddish brown
Pearl Grey	70193	.388	.324	.330	2.3Y 6.7/0.7	3Y 6.6/0.9	Light gray to yellowish gray
Dusty Pink	70194	.392	.369	.338	0.4YR 6.7/3.9	1.4YR 6.6/3.6	Moderate yellowish pink
Dustblu	70195	.252	.285	.292	4.3PB 5.6/2.4	3.6PB 5.4/1.9	Pale blue
Chamois	70196	.379	.399	.395	1.5Y 6.6/5.1	1.6Y 6.5/4.9	Moderate yellow
Crayon Green	70197	.494	.313	.379	10.0GY 7.4/4.2	0.1G 7.2/4.2	Light yellowish green
Violine Pink	70198	.206	.378	.267	4.8RP 5.1/9.0	4.7RP 4.8/9.3	Moderate purplish red
Natural	70199	.454	.339	.342	0.6Y 7.2/1.7	1Y 7.1/1.9	Yellowish gray
Spraygreen	70200	.379	.306	.342	1.7G 6.6/1.9	1G 6.6/1.6	Pale green



Bisque	70201	0.351	0.362	0.350	7.0YR	6.4/2.8	7.8YR	6.3/3.2	Light grayish brown
Crocus	70202	.340	.324	.271	0.2RP	6.3/6.4	0.6RP	6.1/6.7	Light reddish purple
Popcorn	70203	.568	.412	.416	2.8Y	7.9/7.2	2.7Y	7.9/7.3	Moderate yellow
Robin's Egg	70204	.222	.273	.301	4.7B	5.3/2.5	1.8B	5.2/2.2	Grayish blue
Lemon Yellow	70205	.603	.424	.443	4.7Y	8.1/8.7	4.4Y	8.2/8.9	Brilliant yellow
Coral	70206	.450	.426	.314	2.5R	7.1/10.6	5R	7.0/12	Strong pink
Parrot Blue	70207	.232	.222	.297	10.0BG	5.4/6.5	9.2BG	5.1/6.1	Moderate bluish green to moderate greenish blue
Char treuse	70208	.492	.418	.471	9.2Y	7.4/9.0	9Y	7.4/8.3	Strong greenish yellow
Oriental Blue	70209	.102	.176	.168	4.5PB	3.7/11.1	5PB	3.4/14	Strong blue
Carmine	70210	.126	.533	.286	2.7R	4.1/13.8	3R	3.9/14	Vivid red
Bluebird	70211	.112	.217	.226	2.9PB	3.9/6.4	2.9PB	3.7/6.7	Moderate blue
Parma Violet	70212	.131	.254	.187	1.7P	4.2/10.5	1.8P	4.1/9.7	Strong violet
Fuchsia	70213	.129	.404	.195	3.3RP	4.1/17.2	4RP	3.8/16	Vivid purplish red
Scarab Green	70214	.302	.256	.420	4.3G	6.0/9.3	4.2G	6.0/7.7	Brilliant green
Nugget Gold	70215	.345	.457	.462	3.9Y	6.4/9.3	3Y	6.3/9	Deep yellow
Sapphire Blue	70216	.049	.202	.145	7.9PB	2.6/10.0	8.3PB	2.4/9.6	Deep purplish blue

UNITED STATES ARMY COLOR CARD

Golden Yellow	65001	0.449	0.474	0.458	2.0Y	7.1/11.3	1Y	7.3/11	Vivid yellow
Yellow	65002	.414	.510	.438	7.8YR	6.9/13.2	7YR	6.5/12	Strong orange yellow
Golden Orange	65003	.316	.510	.399	3.8YR	6.1/11.4	3.1YR	5.9/11.9	Strong orange
Orange	65004	.212	.559	.361	9.5R	5.2/13.2	9R	5.2/14	Vivid reddish orange
White	65005	.677	.329	.335	1.8Y	8.5/1.2	3Y	8.8/1.7	Yellowish white to yellowish gray
Scarlet	65006	.102	.548	.320	6.1R	3.7/11.2	6R	3.3/13	Strong red
Green	65007	.078	.295	.403	1.2G	3.3/4.2	1.8G	2.9/3.3	Dark yellowish green
Silver Gray	65008	.309	.319	.324	1.0Y	6.1/0.5	1Y	6.0/0.4	Medium gray
Purple	65009	.058	.247	.166	1.4P	2.8/9.1	2P	2.6/9	Strong violet
Ultramarine Blue	65010	.051	.180	.127	7.0PB	2.6/11.8	7.5PB	2.2/11.6	Vivid blue to vivid purplish blue
Cobalt Blue	65011	.045	.231	.205	6.9PB	2.5/5.2	7.2PB	2.3/4.0	Dark blue
Dark Blue	65012	.027	.301	.304	7.3PB	1.8/0.4	5PB	1.6/0.3	Black
Crimson	65013	.083	.485	.276	0.8R	3.4/10.2	2R	3.2/12	Deep purplish red
Light Blue	65014	.234	.265	.287	9.0B	5.4/3.4	7.3B	5.2/2.9	Moderate greenish blue to grayish blue
Buff	65015	.468	.398	.382	9.0YR	7.2/5.4	9.6YR	7.1/5.4	Light yellowish brown
Brown	65016	.072	.415	.363	5.0YR	3.1/3.3	5YR	2.8/3.5	Moderate brown
Maroon	65017	.044	.378	.307	3.3R	2.4/2.7	4.7R	2.1/2.5	Dark grayish red
Black	65018	.027	.305	.309	5.1PB	1.8/0.2	9B	1.7/0.1	Black
Sky Blue	65019	.041	.238	.230	5.3PB	2.4/3.8	5.8PB	2.1/2.9	Dark blue
Brick Red	65020	.063	.508	.326	6.8R	3.0/7.5	7.5R	2.5/10	Dark red
Old Gold	65021	.393	.425	.427	3.1Y	6.7/7.1	2.9Y	6.8/6.6	Moderate yellow
Mosstone Green	65022	.203	.362	.442	4.8GY	5.0/5.1	4.6GY	4.9/5.6	Moderate yellow green
USAF Yellow	65023	.560	.446	.438	2.0Y	7.8/9.6	1.4Y	7.8/9.7	Strong yellow
Teal Blue	65024	.096	.233	.270	6.2B	3.6/3.9	5.6B	3.4/3.6	Moderate greenish blue