

## Vallejo WWII Naval Color Equivalents

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<b>Royal Navy</b>			
507 A (1920 standard pre-war dark grey)	816**	Luftwaffe Uniform WWII	
507 B (1940 medium grey)	900**	French Mirage Blue	
507 C (1920 standard pre-war light grey)	990 + 919**	Light Grey + Foundation White	Mix 1:3 - Light Grey (1 drop) + Foundation White (3 drops)
B-5 (1941)	903**	Intermediate Blue	
B-6 (1941)	901 + 919**	Pastel Blue + Foundation White	Mix 1:2 Pastel Blue (1 drop) + Foundation White (2 drops)
PB 10 (1940)	965**	Prussian Blue	
Western Approaches Blue (1941)	973 + 919**	Light Sea Grey + Foundation White	Mix 1:2 Light Sea Grey (1 drop) + Foundation White (2 drops)
Western Approaches Green (1941)	GC72025 + 919**	Foul Green + Foundation White	Mix 1:2 GC72025 'Foul Green' + 919 'Foundation White'
Alternate Western Approaches Blue	901**	Pastel Blue	
Pink (1941)	803 + 820**	Brown rose + Off White	Mix 1:1 Brown Rose (1 drop) + Off White (1 drop)
Mountbatten Pink, Light (1940)	903 + 926**	Intermediate Blue + Red	Mix 1:1 Intermediate Blue + Red (Note: The other Vallejo 'reds' do not work. You must use 926.)
Mountbatten Pink, Dark (1940)	900 + 926**	French Mirage Blue + Red	Mix 1:1 French Mirage Blue + Red - See note above about red.
MS 1 (1941)	898**	Dark Sea Blue	
MS 2 (1941)	992*	Neutral Grey	
MS 3 (1941)	PA323**	Highlight USMC Tanker	
MS 4 (1941)	987 + 919**	Medium Grey + Foundation White	Mix 1:1
MS 4a (1941)	986**	Deck Tan	
Dark Brown (1940)	872 + 984**	Chocolate Brown + Flat Brown	Mix 1:1
Light Green (1940)	895 + 919**	Gunship Green + Foundation White	Mix 1:1
Semtex (early war)	918**	Ivory	

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
Semtex (late war)	968**	Flat Green	
Stone	874**	USA Tan-Earth	
Corticene	PA301 + 875**	Light Rust + Beige Brown	Mix 1:1 Note: 818 'Red Leather' is also close
G5 (1942)	862**	Black grey	
G10 (1942)	867**	Dark Bluegrey	
G20 (1942)	886**	Green Grey	
G45 (1942)	986**	Deck Tan	
B15 (1942)	964**	Field Blue	
B20 (1942)	904**	Dark Blue Grey	
B30 (1942)	885	Pastel Green	Close, needs a little grey
B55 (1942)	PA345**	Splinter Camo Base	985 - Deck tan also very close
G45 Neutral Tone (1943?)	987**	Medium Grey	
G55 (1943?)	PA345** or 986	Splinter Camo Base or Deck Tan	Deck tan (986) is a very close second
B40 (1943?)	973	Light Sea Grey	
Chicago Blue (Australian Navy)	965 + 903**	Prussian Blue + Intermediate Blue	Mix 1:1 Very close to USN 'Sea Blue C'
Submarine Storm, Light	971**	Green Grey	
Submarine Storm, Dark	967**	Olive Green	
B55 (1943)	no match		
B30 (1943)	972	Light Green Blue	Close
B20 (1943)	943**	Grey blue	
Mountbatten Pink (RN sample to USN)	903 + 926**	Intermediate Blue + Red	Mix 1:1
Recommended 'Standard' colors' for RN			
507 C light grey (990 + 919 mixed 1:3), steel decks - 507 A dark grey (816)			

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<b>US Navy</b>			
<i>Pre-war</i>			
#5 Standard Navy Gray (1937)	990 + 919**	Light Grey + Foundation White	Mix 1:1
#20 Standard Deck Gray (Pre war)	816**	Luftwaffe Uniform WWII	
Mahogany Flight Deck Stain	846**	Mahogany Brown	(985 + 875** Mix 1:1 Hull Red + Beige Brown is also a good match)
<i>January - September 1941</i>			
5-L Light Gray	972 + 919**	Light Green Blue + Foundation White	Mix 1:1
5-O Ocean Gray	867**	Dark Blue Grey	
5-D Dark Gray	862**	Black Grey	
<i>September 1941- June 1942</i>			
5-H Haze Gray	905**	Blue Grey Pale	
5-O Ocean Gray	903**	Intermediate Blue	
Cavite Blue	900**	French Mirage Blue	
5-S Sea Blue A	965 + 903**	Prussian Blue + Intermediate Blue	Mix 1:
5-S Sea Blue B (Standard Sea Blue)	GC72048**	Sombre Grey	
5-S Sea Blue C	965 + 903**	Prussian Blue + Intermediate Blue	Mix 1:1 (Sea Blue A & C are too close to differentiate)
5-N Navy Blue	816**	Luftwaffe Uniform WWII	
5-B Thayer Blue	943 + 919	Grey Blue + Foundation White	Mix 1:4 Grey Blue (1 drop) + Foundation White (4 drops)
Deck Blue 20B	867**	Dark Blue Grey	
<i>June 1942 revised colors</i>			
Revised Deck Blue 20B	867**	Dark Blue Grey	
Norfolk 250N Flight Deck Stain	816**	Luftwaffe Uniform WWII	
Flight Deck Stain 21/251	900**	French Mirage Blue	

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<i>1942 'Green' colors</i>			
Green 1A	72067**	Cayman Green	
Green 2A	941**	Burnt Umber	
Green 3A	969**	Park Green	
Green 4A	833**	German Camouflage Bright Green	Very close
Brown 1A	872**	Chocolate Brown	
Brown 2A	940**	Saddle Brown	
Brown 3A	983**	Flat Earth	
Brown 4A	856	Ochre Brown	Very close
Mountbatten Pink (Dark)	900 + 926**	French Mirage Blue + Red	Mix 1:1
<i>March 1943 revised colors</i>			
#82 Black	862**	Black Grey	
5-P Pale Gray	907 + 919**	Pale Grey Blue	Mix 1:1
5-L Light Gray	GC72046**	Ghost Grey	
<i>1943 Early Greens</i>			
5-HG Haze Green	974**	Green Sky	
5-OG Ocean Green	891 **	Intermediate Green	
5-NG Navy Green	895**	Gunship Green	
20-G Deck Green	896**	Extra Dark Green	
<i>1943 Revised Greens</i>			
5-PG Pale Green	72035 + 919**	Dead Flesh + Foundation White	Mix 1:1
5-LG Light Green	924 + 919**	Russian Uniform Green + Foundation White	Mix 1:1
5-HG Haze Green (revised)	924 + 72035**	Russian Uniform Green + Dead Flesh	Mix 1:1 886 - Green Gray is very close
5-OG Ocean Green (revised)	924	Russian Uniform Green	Very close. A touch too dark
5-NG Navy Green (revised)	979**	German Camo Dark Green	Very close. A touch too dark

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<i>1944 Greens</i>			
#1 Outside Green	857	Golden Olive	Close. A little light
#2 Outside Green	924**	Russian Uniform WWII	
#3 Outside Green	980**	Black Green	
#4 Outside Brown	875**	Beige Brown	
<i>1944-45 Neutral grays</i>			
#46 Outside Gray	883**	Silver Grey	Mix 1:1  991 Dark Sea Grey is also a close match
#37 Light Gray 5-L	989 + 883**	Sky Grey + Silver Grey	
#27 Haze Gray 5-H	870**	Medium Sea Grey	
#17 Ocean Gray	PA305**	Light Rubber	
#11 Outside Gray	869**	Basalt Grey	
#7 Navy Gray 5-N	862**	Black Grey	
#4 Deck Gray 20	995**	German Grey	
<p>Recommended Standard USN colors  5-H Haze Gray (905), 1941 Deck Blue 20B (867 or 900 - see note.)  Measure 22 two-tone: 5-N (816) from waterline to deepest part of main deck, 5-H (905) above, deck Deck Blue 20B (867 or 900).</p>			
<p><b>France - Marine Nationale (and Vichy)</b>  Note: I do not have much information on French navy colors  Early war light gray</p>			
	990 + 919**	Light Grey + Foundation White	Mix 1:2
<p><b>Free-French Navy</b>  Many used USN colors 5-H Haze Gray and Deck Blue 20B after refit in the US. Some used Measure 22. Others used Royal Navy colors if refit in the UK.</p>			

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<b>Italian Regia Marina</b>			
Grigio Chiaro (Light Grey)	990 + 919**	Light Grey + Foundation white	Mix 1:1
Grigio Scuro (Dark Grey)	816**	Luftwaffe Uniform WWII	
Blu Scuro (Dark Blue)	964**	Field Blue	
Azzuro (Light Blue)	901 + 919**	Pastel Blue + Foundation White	Mix 1:1
Verde Chiaro (Light Green)	PA331**	Highlight Italian Tanker	Mix 1:1 of 974 + 919 Green Sky + Foundation White is also very close
Giallo Verde (Light yellow-green)	GC 72035 + 919**	Dead Flesh + Foundation White	Mix 1:1
Bianco Sporco Opaco (Matt Foul White)	820**	Off white	
Marrone Verdastrò (Greenish Dark Brown for submarines)	866**	Grey Green	
Grigio-azzurro Chiaro (Light Blue-Grey for submarines)	906	Pale Blue	Very close
Rosso (Red forecastle stripes)	946 + 957	Dark Red + Flat Red**	Mix 1:1
Forecastle stripe white	951	White	
<i>Standard Regia Marina colors</i>			
Light Grey (990 + 919), steel decks Dark Grey (867)			
<b>Kriegsmarine</b>			
<i>Prewar/early war colors</i>			
Hellgrau 50 (light gray)	990**	Light Grey	Used on superstructure and upper-works
Hellgrau 51 (dark gray)	905*	Blue Grey Pale	Used on hull
<i>Baltic Scheme Colors</i>			
Hellgrau (light gray)	989 + 883	Sky Grey + Silver Grey	Mix 1:1
Mittlegrau (medium gray)	GC72049**	Stone Wall Grey	
Dunkelgrau (darkish gray)	PA305**	Light Rubber	991 Dark Sea Grey is also very close

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<i>Norwegian Colors</i>			
Hellblaugrau (light blue-gray)	GC72047**	Wolf Grey	
Mittelblaugrau (medium blue-gray)	943**	Grey Blue	
Dunkelblaugrau (Dark blue-gray)	995**	German grey	
<i>Underwater Hull and boot topping</i>			
Schiffsbodenfarbe III Rot 5	985**	Hull Red	
Schiffsbodenfarbe (Alternate color)	982**	Cavalry Brown	
Schiffsbodenfarbe III Grau 1	862**	Black grey	
<i>Open Sea</i>			
30 Weiss	PA344**	German Winter White	
31.1 Hellgrau	72047 + 919**	Wolf Grey + Foundation White	Mix 1:1
32.1 Nebelgrau	989 + 919**	Sky Grey + Foundation White	Mix 1:1
32.2 Blaugrau, mittel	943**	Grey Blue	
32.3 Blaugrau, dunkel	963	Medium Blue	Close
33.1 Hellblau	901 + 919	Pastel Blue + Foundation White	Mix 1:4 Close
33.3 Dunkel Blau	965**	Prussian Blue	Also used for Coastal Waters Paints
34.3 Blaugrün, dunkel	943 + 965**	Grey Blue + Prussian Blue	Mix 1:1 Also used for Coastal Waters Paints
<i>Camouflage for Ships in Coastal Waters</i>			
31.4 Steingrau	72049*	Stone Wall Grey	
33.2 Mittelblau	901 + 919**	Pastel Blue + Foundation White	Mix 1:1
35.1 Hellgrün	974**	Green Sky	
35.3 Dunkelgrün (dark green)	895**	Gunship Green	
36.1 Hell Braun (light brown)	GC72061**	Khaki	
36.3 Dunkel Braun	825**	German Camouflage Pale Brown	
<i>Color List for Petrol-Proof Coatings</i>			
58 Schlickgrau	991**	Dark Sea Grey	
58.1 Blaugrau	869**	Basalt Grey	
58.2 Blauschwarz	898**	Dark Sea Blue	

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<i>Other Colors</i>			
10 Deckfarbe Braun Persenning Farbe	984**	Flat Brown	
Deckfarbe Gelb 13 (RAL 1003) yellow turret tops	953**	Flat Yellow	I recommend 858 (Ice Yellow) or 949 (Light Yellow) for miniatures
11 Deckfarbe Grun, Chromgrun	980**	Black Green	
12 Deckfarbe Ockergelb	856**	Ochre Brown	
Deckfarbe Rot (RAL 3011) 'red for decks'	946**	Dark Red	
14 Deckfarbe Weiss (RAL 9002)	PA344**	German Winter White	
Dunkelblau 9 (RAL 5004)	950**	Black	
Dunkelgrau 2 (RAL 7024)	994**	Dark Grey	
Rostschutzfarbe Graugrun 12 (RAL 6006)	889**	USA Olive Drab	
Schnellbootweiss (off white)	993	White grey	Very close
Schwarz (black)	862**	Black Grey	

Standard colors are two-tone Hellgrau 51 for the hull (905), and Hellgrau 50 for the superstructure/upperworks (990); metal decks are Dunkelgrau (PA305) or Hellgrau 51 (905)

### **Soviet Navy**

I do not have any definitive information on the paint used by the Soviet navy. From scattered sources it appears they used a dark gray. Close candidate colors would likely be 900 (French Mirage Blue), 903 (Intermediate Blue), 991 (Dark Sea Gray), or 992 (Neutral Grey). But these are just guesses.



Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<b>Imperial Japanese Navy</b>			
Sasebo Naval Arsenal gray	816**	Luftwaffe Uniform WWII	
Sasebo Gray (B, C, and D)	869**	Basalt Grey	Alternate Sasebo Gray without blue tint
Kure Naval Arsenal gray	900**	French Mirage Blue	
Kure Gray (B, C)	991**	Dark Sea Grey	Alternate Kure Gray without blue tint
Maizuru Naval Arsenal gray	903**	Intermediate Blue	
Maizuru Gray (B)	72050**	Cold Grey	Alternate Maizuru Gray without blue tint
Yokosuka Naval Arsenal gray	869**	Basalt Grey	
Type 1 Camouflage for aircraft carriers	980**	Black Green	
Type 2 Camouflage for aircraft carriers	PA334	German Tank Crew	Close
Type 21 Camouflage for aircraft carriers	974	Green Sky	Close
Type 21 Camouflage (B)	833**	German Camouflage Bright Green	Close
Type 22 Camouflage for aircraft carriers	PA331**	Highlight Italian tanker	
Deck Tan	819	Iraqi Sand	Close
Linoleum (for destroyer and cruiser decks)	985 + 875**	Hull Red + Beige Brown	Mix 1:1
Linoleum (B)	984**	Flat Brown	Alternate Linoleum color without red tint
Linoleum (C)	846**	Mahogany Brown	Alternate Linoleum color lighter tone
<i>Anti-fouling/Hull Bottom Samples</i>			
Anti-fouling (A) and (B)	985**	Hull Red	

Standard for IJN: Pick your Naval arsenal! Destroyers were usually Maizuru. Other ships were often interchanged among the other three. Destroyers and Cruisers had Linoleum decks.

Navy and official color	Vallejo Model Color Number*	Vallejo Color name	Notes**
<b>Colors for Wood Decking***</b>			
Grayish Tan	884	Stone Grey	IJN 'deck tan.' For a grayish weathered wood deck look.
Neutral Medium-Light Tan	819	Iraqi Sand	I recommend at least a 1:1 mix of Iraqi Sand + Foundation white. Maybe even 2 drops of Foundation White to one drop of Iraqi Sand. A good 'freshly sanded' or 'new wood' look. I think this is what most would think of as a standard 'deck tan.'
Yellowish Light Tan	917	Beige	Light cypress color of Yamato, Musashi
Very Weather Beaten Gray	986	Deck Tan	Despite the name, this is very gray. I think it is best used as a wash over a brighter tan like Iraqi Sand (819) if you want a very weathered appearance.
Orangey Tan - (matches Testor's 'Deck Tan')	860	Medium Flesh Tone	A very 'bright' tan. It would work as a base for a brown wash.
Medium Brown to use as a wash	874	U.S.A. Tan Earth	Use in a wash or dry brush over a light tan to give a wood 'grain' look
Medium-Dark Brown to use as a wash	983	Flat Earth	Use in a wash or dry brush over a light tan to give a wood 'grain' look

\* GC = Game Color, PA = Panzer Aces. Note: All Model Color numbers start with '70' as in '70990' for light grey. Game Color numbers start with '72' as in 72047 for Wolf gray.

\*\* Exact match (or so close I can't tell the difference)

\*\*\* I have yet to find a 'perfect' color scheme for wooden decking on a miniature. But these are the best colors I have found. You should experiment for a 'look' that pleases you.

## References:

- Hreachmack, P. 1996. The Painter's Guide to World War Two Naval Camouflage. Clash of Arms Publishers, Inc. Phoenixville, PA 19460.
- Raven, A. 2000. Warship Perspectives, Camouflage Volume One: Royal Navy 1939-1941. New York: WR Press Inc. 56 p.
- Raven, A. 2001. Warship Perspectives, Camouflage Volume Two: Royal Navy 1942. New York: WR Press Inc. 56 p.
- Raven, A. 2001. Warship Perspectives, Camouflage Volume Three: Royal Navy 1943-1944. New York: WR Press Inc. 56 p.
- Raven, A. 2003. Warship Perspectives, Camouflage Volume Four: Royal Navy: Supplemental. New York: WR Press Inc. 56 p.
- Skwiot, Mirosław. 2006. Kriegsmarine Colors – Volume 1. Gdansk, Poland: A-J Press. 88 p.
- Snyder and Short Ship color chip sheets. 1999-2003. Snyder and Short Enterprises, PMB 224, 9175 Kiefer Blvd. Sacramento, CA 95826-5105
- Williams, D. 2001. Naval Camouflage 1914-1945: A Complete Visual Reference. Annapolis, MD: Naval Institute Press. 256 p.

**Authors note:** I have tried my best to match accurate colors and check this document for accuracy, but I make no guarantees. Vallejo was not involved with this document. MSD 03/17/10

## Appendix I. Paint Colors Used in this Document

### Vallejo **Game Color** (Prefix is '72') and **Panzer Aces** (Prefix is 'PA') Paints

<b>Vallejo Color Number</b>	<b>Color Name</b>	<b>Vallejo Color Number</b>	<b>Color Name</b>
<b><i>Game Color</i></b> (Number prefix is '72')		<b><i>Panzer Aces</i></b> (Number prefix is 'PA')	
025	Foul Green	PA301	Light Rust
035	Dead Flesh	PA305	Light Rubber
046	Ghost Grey	PA323	Highlight USMC Tanker
047	Wolf Grey	PA331	Highlight Italian Tanker
048	Sombre Grey	PA334	German Tank Crew
049	Stone Wall Grey	PA344	German Winter White
050	Cold Grey	PA345	Splinter Camo Base
061	Khaki		
067	Cayman Green		

Appendix I. (Continued) Paint Colors Used in this Document

Vallejo **Model Color** Paints (Number prefix is '70')

<b>Vallejo Color Number</b>	<b>Color Name</b>	<b>Vallejo Color Number</b>	<b>Color Name</b>	<b>Vallejo Color Number</b>	<b>Color Name</b>
803	Brown Rose	895	Gunship Green	964	Field Blue
816	Luftwaffe Uniform WWII	896	Extra Dark Green	965	Prussian Blue
819	Iraqi Sand	898	Dark Sea Blue	967	Olive Green
820	Off White	900	French Mirage Blue	968	Flat Green
825	German Camo Pale Brown	901	Pastel Blue	969	Park Green
833	German Camo Bright Green	903	Intermediate Blue	971	Green Grey
846	Mahogany Brown	904	Dark Blue Grey	972	Light Green Blue
856	Ochre Brown	905	Blue Grey Pale	973	Light Sea Grey
857	Golden Olive	906	Pale Blue	974	Green Sky
858	Ice Yellow	907	Pale Grey Blue	979	German Camo Dark Green
860	Medium Flesh Tone	917	Beige	980	Black Green
862	Black Grey	918	Ivory	982	Cavalry Brown
866	Grey Green	919	Foundation White	983	Flat Earth
867	Dark Blue Grey	924	Russian Uniform Green	984	Flat Brown
869	Basalt Grey	926	Red	985	Hull Red
870	Medium Sea Grey	940	Saddle Brown	986	Deck Tan
872	Chocolate Brown	941	Burnt Umber	987	Medium Grey
874	U.S.A. Tan Earth	943	Grey Blue	989	Sky Grey
875	Beige Brown	946	Dark Red	990	Light Grey
883	Silver Grey	949	Light Yellow	991	Dark Sea Grey
884	Stone Grey	950	Black	992	Neutral Grey
885	Pastel Green	951	White	993	White Grey
886	Green Grey	953	Flat Yellow	994	Dark Grey
889	USA Olive Drab	957	Flat Red	995	German Grey
891	Intermediate Green	963	Medium Blue		