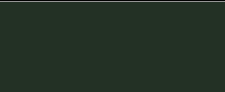
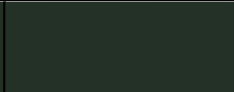
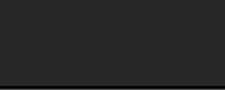
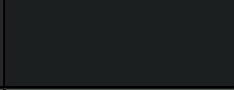
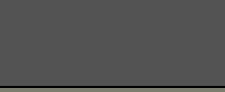
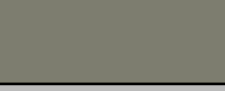
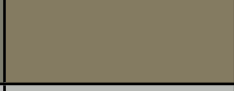
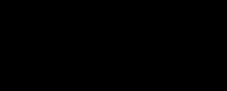
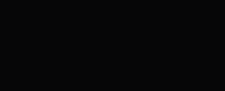
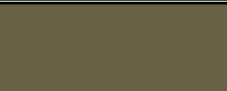
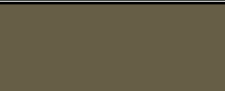
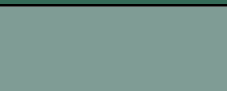
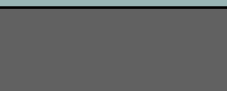
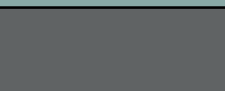
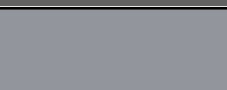
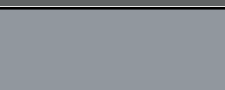
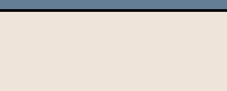
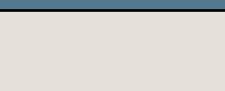
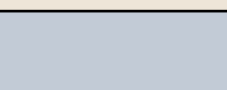
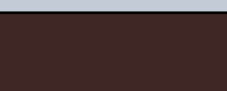


Thorpe Colour Table for IJN/JA Aircraft Colours

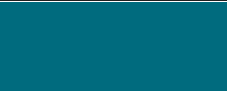
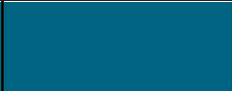
This table serves as a reference to the pioneering work of **Donald W Thorpe** who created the first comprehensive catalogues of Japanese aircraft colours in WWII. Not only has his work survived the test of time but it has been reinforced by the primary source information revealed in recent years.

Code	Name	Hue	V	C	R	G	B	Munsell Chip	Closest FS595b	FS #	D
N1	Black Green	10GY	2	2	41	52	42			14056	1.10
N2	Dark Green	10G	3	2	56	77	71			34058	3.99
N3	Dark Grey Green	7.5GY	3	2	65	76	60			34094	3.79
N4	Light Grey Green	7.5GY	5	2	114	127	106			24226	2.35
N5	Light Olive Green	10Y	4	4	102	99	49			34151	2.15
N6	Buff Green	7.5Y	5	4	133	124	72			14255	2.96
N7	Black Grey	N	1.5	0	43	43	43			27040	2.75
N8	Dark Grey	N	3.5	0	85	85	85			36081	2.75
N9	Medium Grey	10Y	5	1	124	124	111			34201	5.40
N10	Light Grey	N	7.5	0	187	187	187			26493	2.90
N11	Medium Brown	5YR	3	4	101	64	43			20122	3.71
N12*	Red Brown	5R	3	6	118	52	54			20061	6.72
N13*	Medium Yellow	2.5Y	8	14	255	193	0			13655	2.17
N14*	Deep Yellow	10YR	7	14	236	161	0			23538	1.34
N15	Yellow Ochre	7.5YR	6	10	206	133	38			23275	5.27
N16*	Translucent Blue	2.5B	4	6	0	108	125			15125	5.37
N17	Translucent Green	5BG	3	6	0	84	82			34058	10.0

Thorpe Colour Table for IJN/IJA Aircraft Colours

Code	Name	Hue	V	C	R	G	B	Munsell Chip	Closest FS595b	FS #	D
N18*	Red Orange	7.5R	5	12	210	79	65			21400	4.04
N19*	Deep Red	5R	3	8	130	41	48			21136	4.87
N20*	Medium Red	5R	4	12	179	47	58			31350	1.68
N21*	Medium Blue	10B	5	8	36	131	175			35183	5.31
N22*	Black	N	0.5	0	4	3	3			17038	2.79
Army Colours											
A1	Dark Green	5G	3	1	66	75	70			26081	3.30
A2	Olive Green	7.5Y	4	2	103	98	73			34088	2.15
A3	Medium Green	7.5G	4	4	56	107	89			34108	3.68
A4	Light Green	2.5BG	6	2	127	155	148			25352	1.12
A5	Light Grey Green	7.5BG	7	2	152	181	179			25414	4.20
A6	Dark Grey	N	4	0	97	97	97			26132	1.91
A7	Medium Grey	5PB	6	1	146	149	155			36300	1.70
A8	Medium Blue Grey	2.5PB	5	4	101	126	149			35177	4.18
A9	Light Grey	10YR	9	1	237	228	216			36650	3.27
A10	Light Blue Grey	2.5PB	8	2	193	203	213			35550	6.24
A11	Dark Brown	10R	2	2	66	44	42			20059	5.35
A12	Medium Brown	10R	3	4	105	60	52			10075	4.73

Thorpe Colour Table for IJN/IJA Aircraft Colours

Code	Name	Hue	V	C	R	G	B	Munsell Chip	Closest FS595b	FS #	D
A13*	Red Brown	5R	3	6	118	52	54			20061	6.72
A14	Light Earth	10YR	7	4	201	171	129			30475	1.84
A15	Ivory Yellow	10YR	7	6	211	169	105			20260	2.70
A16*	Medium Yellow	2.5Y	8	14	255	193	0			13655	2.17
A17*	Deep Yellow	10YR	7	14	236	161	0			23538	1.34
A18*	Translucent Blue	2.5B	4	6	0	108	125			15125	5.37
A19*	Red Orange	7.5R	5	12	210	79	65			21400	4.04
A20*	Deep Red	5R	3	8	130	41	48			21136	4.87
A21*	Medium Red	5R	4	12	179	47	58			31350	1.68
A22	Deep Blue	7.5PB	2	4	44	47	76			35048	5.51
A23*	Medium Blue	10B	5	8	36	131	175			35183	5.31
A24*	Black	N	0.5	0	4	3	3			17038	2.79

Notes

- Column 'D' specifies the **DE2000** difference calculation between the Munsell and closest FS595b chips. The DE2000 formula is that most recently recommended by the **Commission International de l'Éclairage (CIE)**. The lower the number the closer the match - a difference calculation of 2.0 or less indicates a close match.
- The RGB values are rendered in **sRGB** with **D65** illuminant; the colour as viewed under North Sky Daylight at 6504 K.
- Where colours were common to both Navy and Army they have now been duplicated in each chart for ease of reference and marked *.
- Although FS 26081 is given as the closest value to Army colour **A1 Dark Green** it is a *very poor* match because it moves into the grey colour space. Army colour A1 Dark Green is believed to be identified from Army # 27 'Ao Midori iro' (Blue Green Colour) which is a deep viridian green between Munsell 10 G 2/4 and 10 G 2/2 with a strong green chroma sometimes referred to by modellers as "Nakajima Green". The closest FS value is 14056 at 2.41 but it does not have a strong enough green chroma. Ao Midori iro was a colour often applied by the Field Depots as camouflage to aircraft being delivered to

Thorpe Colour Table for IJN/JA Aircraft Colours

the Southern war fronts, either as a solid uppersurface colour or as a mottle. (Please see additional chip below).

5. Army colour **A2 Olive Green** is believed to be identified from Army # 7 'Ohryoku 7 Go shoku' (Yellow Green No.7 Colour). This was the standard Japanese Army olive drab in a brown-green range from Munsell 2.5 Y 3/2 to 7.5 Y 3/3. In the past it has been identified as "Late War Brown", "Homeland Defence Khaki", "Deep Green Brown", "Black Brown" and other approximate colour descriptions. For years Japanese researchers, artists and kit manufacturers have been unclear about the characteristics of this important colour, confusing it with "Deep Green" and/or depicting it incorrectly as everything from a light khaki to a strong red brown. It was the standard factory application colour for many Army aircraft from 14th June 1943. (Please see the additional chips below).
6. Army colours **A4 Light Green** and **A5 Light Grey Green** are possibly variations of the same colour, which is probably Army # 1 'Hairiyokushoku' (Grey Green Colour).
7. Army colours **A14 Light Earth** and **A15 Ivory Yellow** are possibly variations of the same colour(s) which may be # 30 'Karekusa iro' (Dried Grass Colour) or # 33 'Khaki iro' (Khaki Colour). The precise nature of the latter colour has not been confirmed.



Dedicated to the memory of Bill Leyh - a devoted modeller and a good friend.

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