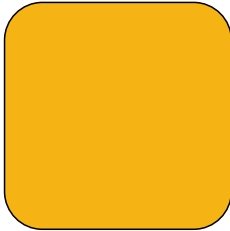


Digital Imperial Japanese Army Aircraft Colours

Thorpe Colour Chart

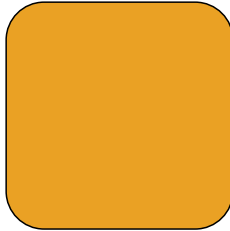
© W.S. MARSHALL -2023

 <p>A1 FS 34094 Dark Green</p> <p>NCS: S6005-G20Y LAB: 34,9/-5,3/8,8 Mun: 5,3GY 3,4/1,8 Hex#: 4E5444 RGB: 78/84/68</p>	 <p>A2 FS 34088 Olive Green</p> <p>NCS: S6005-Y20R LAB: 40,3/0,4/11,8 Mun: 7,5Y 4/2 Hex#: 655E4C RGB: 101/94/76</p>	 <p>A3 FS 34108 Medium Green</p> <p>NCS: S6010-B90G LAB: 40,3/-15,5/6,8 Mun: 2,5G 4/4 Hex#: 466653 RGB: 70/102/83</p>	 <p>A4 FS 25352 Light Green</p> <p>NCS: S3010-B50G LAB: 64,0/-8,8/-1,0 Mun: 7,5G 6/2 Hex#: 89A09D RGB: 137/160/157</p>	 <p>A5 FS 25414 Light Gray Green</p> <p>NCS: S3010-B30G LAB: 67,3/-9,9/-1,8 Mun: 6,4BG 6,7/1,9 Hex#: 8FAAA7 RGB: 143/170/167</p>
 <p>A6 FS 26132 Dark Gray</p> <p>NCS: S5005-R80B LAB: 46,4/-0,7/-1,6 Mun: 3,3PB 4,5/0,5 Hex#: 6C6E71 RGB: 108/110/113</p>	 <p>A7 FS 36300 Medium Gray</p> <p>NCS: S3010-R80B LAB: 62,4/-1,2/4,4 Mun: 3,1PB 6,2/1,3 Hex#: 92989F RGB: 146/152/159</p>	 <p>A8 FS 35177 Medium Blue Gray</p> <p>NCS: S4020-B LAB: 48,9/-7,7/-15,6 Mun: 7,5B 5/4 Hex#: 59798E RGB: 89/121/142</p>	 <p>A9 FS 36650 Light Gray</p> <p>NCS: S1002-R LAB: 89,0/-0,2/3,9 Mun: 6,0Y 8,9/0,5 Hex#: E2E0D8 RGB: 226/224/216</p>	 <p>A10 FS 35550 Light Blue Gray</p> <p>NCS: S1015-B LAB: 84,8/-5,9/-3,0 Mun: 5BG 8/2 Hex#: C6D7D9 RGB: 198/215/217</p>
 <p>A11 FS 20059 Dark Brown</p> <p>NCS: S6010-Y70R LAB: 34,6/6,0/4,7 Mun: 1,7YR 3,4/1,2 Hex#: 5D4E4A RGB: 93/78/74</p>	 <p>A12 FS 10075 Medium Brown</p> <p>NCS: S6010-Y70R LAB: 36,2/5,5/8,5 Mun: 6,1YR 3,6/1,5 Hex#: 625248 RGB: 98/82/72</p>	 <p>A13 FS 20061 Dull Brown</p> <p>NCS: S6010-Y90R LAB: 33,9/12,1/4,8 Mun: 10R 3/2 Hex#: 644949 RGB: 100/73/73</p>	 <p>A14 FS 30475 Light Earth</p> <p>NCS: S2010-Y50R LAB: 71,2/7,2/21,0 Mun: 2,5Y 7/4 Hex#: C6A988 RGB: 198/169/136</p>	 <p>A15 FS 20260 Ivory Yellow</p> <p>NCS: S3020-Y10R LAB: 69,7/7,2/31,8 Mun: 0,3Y 6,9/4,7 Hex#: C6A571 RGB: 198/165/113</p>



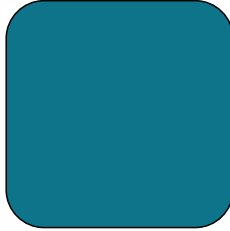
A16
FS 13655
Yellow

NCS: S1080-Y10R
LAB: 77,7/16,1/77,3
Mun: 0,7Y 7,6/12,1
Hex#: F5B314
RGB: 245/179/20



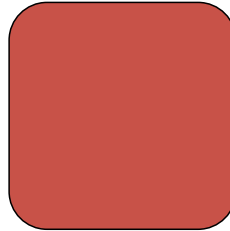
A17
FS 23538
Deep Yellow

NCS: S1070-Y20R
LAB: 72,2/21,3/69,2
Mun: 10YR 7/12
Hex#: EAA124
RGB: 234/161/36



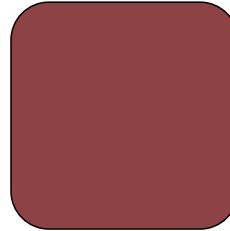
N16
FS 15125
Aotake Blue

NCS: S3050-B10G
LAB: 44,3/-21,5/-19,8
Mun: 4,0B 4,4/6,0
Hex#: 0E7489
RGB: 14/116/137



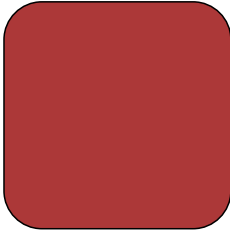
N18
FS 21400
Red Orange

NCS: S2050-Y90R
LAB: 51,1/47,5/31,2
Mun: 7,5R 5/10
Hex#: C85248
RGB: 200/82/72



N19
FS 21136
Deep Red

NCS: S4030-R
LAB: 38,4/32,2/14,8
Mun: 7,5R 4/6
Hex#: 8D4344
RGB: 141/67/68



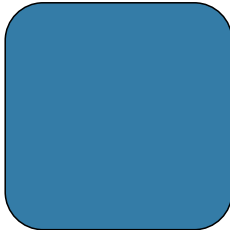
N20
FS 31350
Medium Red

NCS: S3050-Y90R
LAB: 41,5/48,1/27,5
Mun: 7,5R 4/10
Hex#: AC3838
RGB: 172/56/56




A22
FS 35048
Dark Blue

NCS: S6020-R80B
LAB: 28,3/-0,2/-15,8
Mun: 2,5PB 3/2
Hex#: 37445B
RGB: 55/68/91



A23
FS 35183
Medium Blue

NCS: S3040-R90B
LAB: 48,8/-12,2/-30,2
Mun: 1,0PB 4,9/7,5
Hex#: 347CA7
RGB: 52/124/167



A24
FS 17038
Black-blue

NCS: S8000-N
LAB: 23,5/0,1/-0,4
Mun: 7,6PB 2,3/0,1
Hex#: 383839
RGB: 56/56/57



FS 17178
**Natural Metal/
Aluminium**

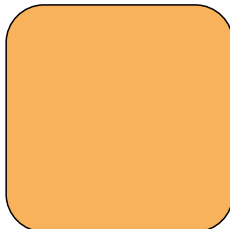
NCS: S2002-B
LAB: 79,6/-1,0/-1,5
Mun: 9,1B 7,9/0,6
HEX#: C2C6C8
RGB: 194/198/200

The Kō-kaku 39 colours



1
FS 25622
Ash-green

NCS: S3005-G50Y
LAB: 69,0/-4,1/9,6
Mun: 2,5GY 6,8/1,3
Hex#: A8AA97
RGB: 168/170/151



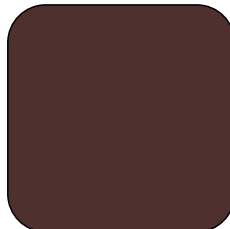
2
FS 00000
Yellow-orange

NCS: S0540-Y30R
LAB: 77,7/17,4/53,3
Mun: 7,7YR 7,7/9,1
Hex#: F9B25C
RGB: 249/178/92



3
FS 25053
Ash-indigo

NCS: S5020-R80B
LAB: 34,56/-1,63/-14,08
Mun: 5,2/3,0/2,0
Hex#: 3B4B56
RGB: 59/75/86



4
FS 00000
Prop-brown

NCS: S7010-Y90R
LAB: 23,4/13,4/4,7
Mun: 10R 2/2
Hex#: 4E302E
RGB: 78/48/46



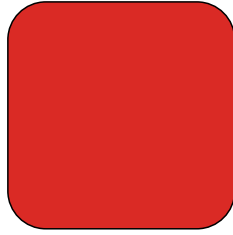
FS 17178
**Natural Metal/
Aluminium**

NCS: S2002-B
LAB: 79,6/-1,0/-1,5
Mun: 9,1B 7,9/0,6
HEX#: C2C6C8
RGB: 194/198/200



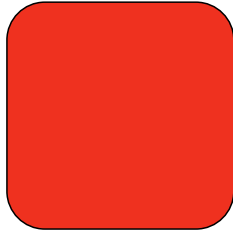
7
FS 33070
Olive-brown

NCS: S5005-Y20R
LAB: 33,61/-0,27/11,52
Mun: 10Y 3/2
Hex#: 544F3D
RGB: 84/79/61




9
FS 00000
Insignia-red

NCS: S1085-Y80R
LAB: 47,9/65/4/47,2
Mun: 7,5R 5/18
Hex#: DA2A25
RGB: 218/42/37



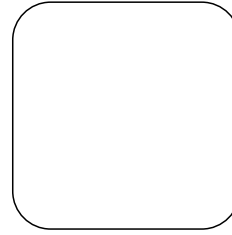
10
FS 00000
Hinomaru-red

NCS: S0580-Y80R
LAB: 52,6/69,4/55,6
Mun: 7,5R 5/16
Hex#: EF311F
RGB: 239/49/31



11
FS 00000
Black

NCS: S8000-N
LAB: 23,5/0,1/-0,4
Mun: 7,6PB 2,3/0,1
Hex#: 383839
RGB: 56/56/57



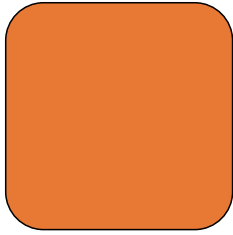
12
FS 00000
White

NCS: S1005-G30Y
LAB: 91,63/-2,11/5,41
Mun: 5,0GY 9,1/0,7
HEX#: E6E8DC
RGB: 230/232/220



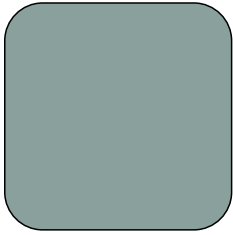
13
FS 00000
Blue

NCS: S5540-B
LAB: 16,9/-3,6/-10,8
Mun: 7,5B 2/2
Hex#: 182C39
RGB: 24/44/57



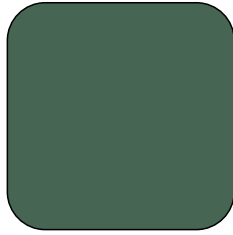
14
FS 33538
ID-yellow

NCS: S1060-Y50R
LAB: 62,2/38,3/54,5
Mun: 2,5YR 6/12
Hex#: E87935
RGB: 232/121/53




17
FS 25352
Green-grey

NCS: S3010-B50G
LAB: 64,09/-8,85/-1,08
Mun: 7,5G 6/2
Hex#: 89A09D
RGB: 137/160/157



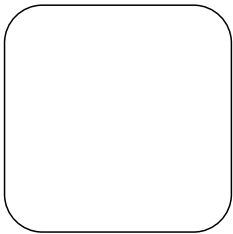
21
FS 34108
IJA Green

NCS: S6010-B90G
LAB: 40,38/-15,53/6,82
Mun: 2,5G 4/4
Hex#: 466653
RGB: 70/102/83



22
FS 00000
Deep-green

NCS: S7005-G20Y
LAB: 23,5/-5,0/21,0
Mun: 7,5GY 2/2
Hex#: 333A31
RGB: 51/58/49




26
FS 00000
White

NCS: S1005-G30Y
LAB: 91,63/-2,11/5,41
Mun: 5,0GY 9,1/0,7
HEX#: E6E8DC
RGB: 230/232/220



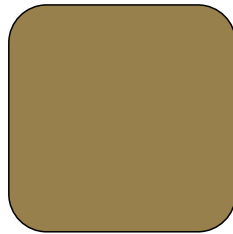
27
FS 34036
Blue-green

NCS: S8010-B30G
LAB: 13,1/-5,8/-0,4
Mun: 2,2BG 1/1
Hex#: 182422
RGB: 24/36/34



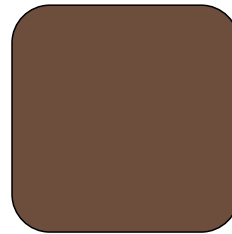
29
FS 34151
Yellow-green

NCS: S6020-G70Y
LAB: 41,45/-4,47/22,57
Mun: 2,5GY 4/4
Hex#: 64633C
RGB: 100/99/60



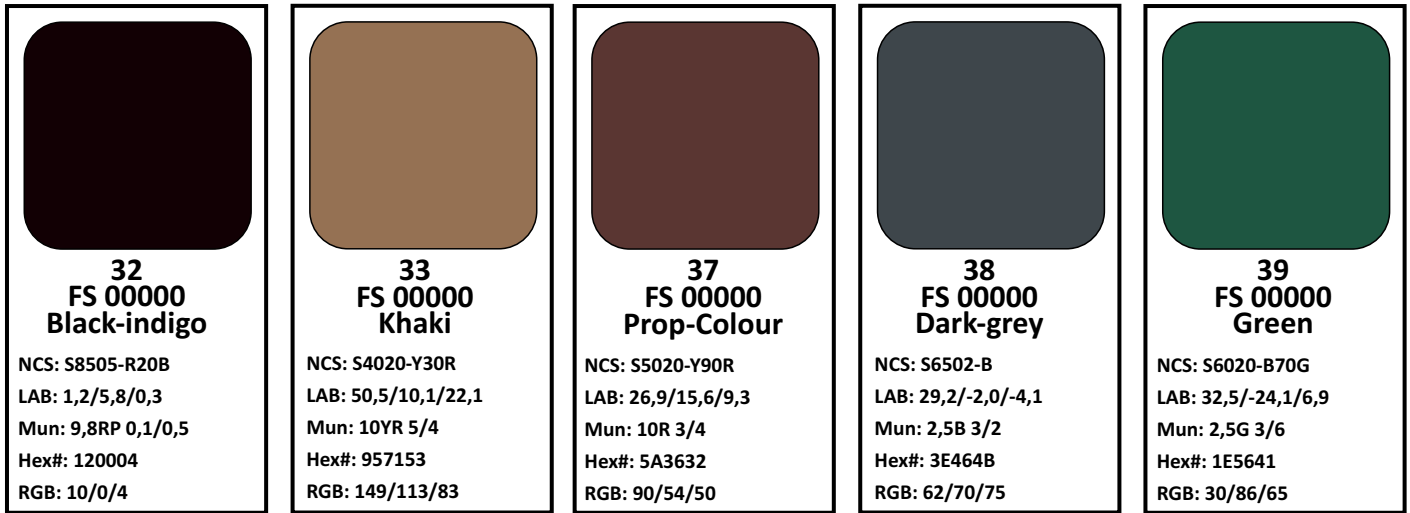
30
FS 00000
Dry-grass

NCS: S4030-Y
LAB: 54,7/2,2/31,0
Mun: 5Y 5/4
Hex#: 98804D
RGB: 152/128/77

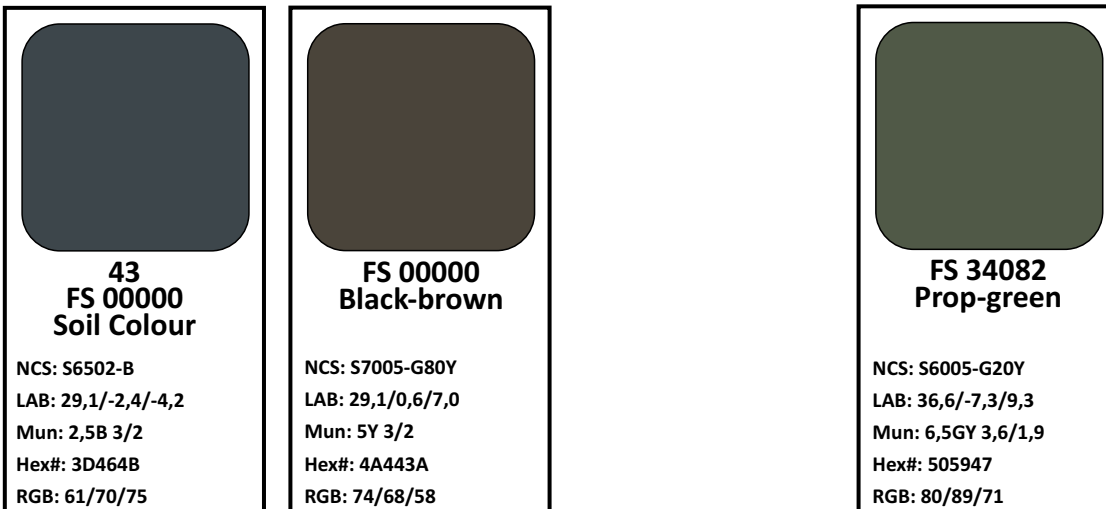


31
FS 00000
Tea Colour

NCS: S6010-Y50R
LAB: 36,1/10,7/15,2
Mun: 7,5YR 3/4
Hex#: 6D4E3D
RGB: 109/78/61



Late-war Colours



References:

IJAAF colour chart by Thorpe.

Aviation of Japan website - <http://www.aviationofjapan.com>.

Every effort was made to ensure accurate values for each colour, however some colour systems do not allow for comprehensive or accurate values to be obtained and the most accurate values are the Hex# and R/G/B. The other values could only be a closest value within the <2% limit.

Some values were calculated by making use of the following software:

- RGB chart & Multi Tool: <https://www.perbang.dk>
- e-paints,co.uk: <https://www.e-paint.co.uk>.
- Encycolorperdia: <https://encycolorpedia.com>.
- Munsell values from BabelColor CT & A software.