

Convert-Mix Table for the US Army Air Force & Navy-Marines.

FS /ANA numbers to RAL Colors.

FS = Federal Standard

ANA= Army-Navy Aeronautical Standard (*Aircraft*)

Each FS-Number consists of 5 figures;

- The 1st figure indicates the level of sheen.

1= Gloss. 2=Semigloss (*Satin*). 3= Matt

- The 2nd figure indicates a general colour classification group.

0=Brown. 1=Red. 2=Orange. 3=Yellow. 4=Green. 5=Blue. 6= Grey.

7=White, Black, Violet, or Metallic. 8=Fluorescent.

- The other figures (3 to 5) combined, indicates the intensity.

Lower value =Darker. Higher value= lighter.

The Numbers No. 1 to 49 are from before 1940, but were used until 1942. No.41 even until 1945!

The FS Numbers are from 1939 until 1943, and were replaced later with ANA Numbers.

The ANA Numbers are used from 1943.

+

Color Chips

(Scanned from my original Colorchips, and are here reduced copies.

Therefore they can deviate!)

Jan Hermkens
Oss, Netherlands.

Convert-Mix Table for the USAAF & Navy-Marines. FS/ANA numbers to RAL Colors.

<u>No./</u>	<u>FS-Number</u>	<u>ANA-Number</u>	<u>Name</u>	<u>RAL-Number:</u>
No. 10 /	FS-36492. =Good likeness		Light Grey	7038
No. 12 /	FS-36307. 12 is glossy		Blue Gray	5024+ 50% 9005+ 60% 9001
No. 30 /	FS-34092. 30 is a bit more Black		Dark Green	6012+10% 9005
No. 31 /	FS-34087. =Good likeness		Olive Drab	6014+10% 9001+10% 8000
No. 32 /	FS=36173. 32 is a little bit darker		Neutral Grey	7005+40% 9001+5% 9005
No. 41 /	FS-34087. 41 is a bit darker and more reddish.		Olive Drab	6014+5% 9001+ 5% 8000+1 drop 3011
No. 42 /	FS-34052. =Good likeness		Medium Green	6007+ 15% 9001
No. 43 /	FS-36173. =Good likeness		Neutral Grey	7005+ 5% 9001
No. 44 /	FS-37038	ANA 604	Black	9004
No. 45 /	FS-30109		Insignia Red	3003
No. 46 /	FS-37875	ANA 601	Insignia White	9001
No. 47 /	FS-35044	ANA 605	Insignia Blue	5011+ 10% 9005
No. 48 /	FS-33538	ANA 614	Insignia Yellow/ Orange Yellow	1003+Tröpfchen 3001
No. 49 /	FS-30313		Sand	1019+ 5% 9005+ 1 drop 3011
71-009 Dupont/	FS-30266/ANA-616		Dark Earth / Sand	1019+ 5% 9005+ 1 drop 3011
71-013 Dupont/	FS-34086		Dark Green	6028+ 50% 9005
71-065 Dupont /	FS-30118 ANA-617		Dark Earth	8000+ 10% 9005+ 1 drop 3011
71-069 Dupont /	FS-33531 ANA-615		Middlestone	1011+ 5% 9005
71-062 Dupont /	FS-35231 ANA-609		Azure	5014+ 10% 9001+ 10% 5004
Without Number /	FS-24424 =Good likeness		Sky Type S (S stands for Smooth oder Silky)	7032+ 1 Tropfen 6028
M-495/	FS-36492 (Navy) ANA 602		Light Grey	7038
M-485/	FS-35189/FS-36118 (Navy)		Blue Grey	5024+ 50% 9005+ 60% 9001
	FS-11136 ANA 509		Glossy Igsignia Red/ Bright Red	3001
	FS-37875 ANA 601		Insignia White	9001
	FS-36118 ANA 603		Sea Grey	7005+ 40% 9001+ 5% 9005
	FS-37038 ANA 604		Black	9004
	FS-35044 ANA 605		Insignia Blue	5011+ 10% 9005
	FS-25042 ANA 606		Semi Gloss Sea Blue	5004+ 10% 9005+ 5% 9001
	FS-35042 ANA 607		Non Specular Sea Blue	5004+ 10% 9005+ 5% 9001
	FS-15042 ANA 623		Glossy Sea Blue	5004+ 10% 9005+ 5% 9001
	FS-35164 ANA 608		Intermediate Blue	5014+ 10% 9005
	FS-35231 ANA 609		Azure Blue	5014+ 10% 9001 +10% 5004
	FS-34424 ANA 610		Sky	7032+ 1 drop 3001
	FS-34151 ANA 611		Interior Green	6025 +100% 6007+ 2 Tropf 3001
	FS-34092 ANA 612		Medium Green	6028+ 50% 9005
	FS-34087 ANA 613		Olive Drab	6014+ 10% 9001+ 10% 8000
	FS-33538 ANA 614		Insignia Yellow / Orange Yellow	1003+ drop 3001
	FS-33531 ANA 615		Middlestone	1011+ 5% 9005
	FS-30266 ANA 616		Sand	1019+ 5% 9005+ 1 drop 3011
	FS-30118 ANA 617		Dark Earth	8000+ 10% 9005+ 1 drop 3011
	FS-21136 ANA 619		Non Specular Igsignia Red/ Bright Red	3001+ 1 drop 9005
	FS-31136		Igsignia Red/ Bright Red	3001+ 1 drop 9005
	FS-36440 ANA 620		Light Gull Grey	7038
	FS-36231 ANA 621		Dark Gull Grey	7005+ 10% 9005+ 60% 9001
	FS-27028 ANA 622		Jet Black (Nightfighters)	9005

Scale effect:

A model reflekt, because of his smaller size, a less amount light, therefore one has to add a part of white.

Scale: 2= % supplement White to the basis color.

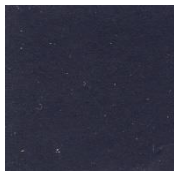
For example; Scale 1:4. 4:2= adding 2% White. Scale 1:6. 6:2= adding 3% White

Clear Paint (All the same, Matt or Glossy)

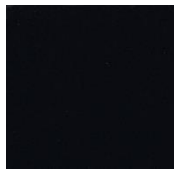
Each layer Clear paint makes the color darker. It can help with a little bit extra White.



10 / FS-36492
Light Grey



12 / FS-36307
Blue Grey



30. Dark Green



31 / FS-34087
Oliv Drab



32. Neutral Grey



41. Oliv Drab



42 / FS-34052
Medium Green



43 / FS-36173
Neutral Grey



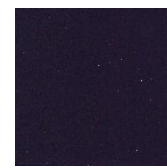
44 / FS-37038
ANA-604. Black



45 / FS-30109
Insignia.Red



46 / FS-37875
ANA-601. I.White



47 / FS-35044
ANA-509. I.Blue



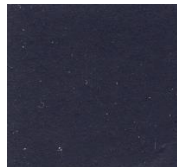
48 / FS-33538
ANA-614. I.Yellow



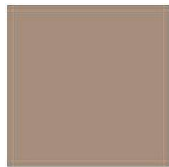
49 / FS- 30313
Sand



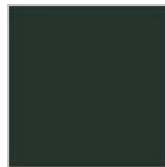
FS-36440/ANA620
Light Gull Grey



FS-36118/ANA603
Sea Grey



Dupont/ FS-30266/
ANA-616. Sand



Dupont/FS-34086
Dark Green



Dupont/FS-30118/
ANA-617. Dark Earth



Dupont/FS-33531/
ANA-615. Middlestone



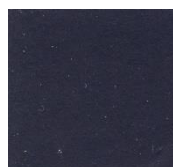
Dupont/FS-35231/
ANA-609. Azure



Sky Type S
FS-24424



M-495/FS-36492/
ANA-602. Light Grey



M-495/FS-35189
Blue Grey



FS-11136/ANA-509
I. Red/Bright Red



FS-37875/ANA-601
I. White



FS-36118/ANA-603
Sea Grey



FS-37038/
ANA-604. Black



FS-35044/
ANA-509. I. Blue



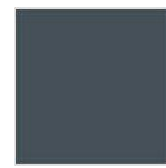
FS-25042/ANA-606
Semi Gloss Sea Blue



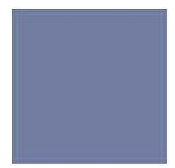
FS-35042/ANA-607
Non-Spec. Sea Blue



FS-15042/ANA-623
Glossy Sea Blue



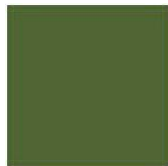
FS-35164/ANA-608
Intermediate Blue



FS-35231/ANA-609
Azure Blue



FS-34424/
ANA-610. Sky



FS-34151/ANA-611
Interior Green



FS-34092/ANA-612
Medium Green



FS-34087/ANA-613
Oliv Drab



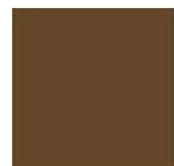
FS-33538/ANA-614
I. Yellow



FS-33531/ANA-615
Middlestone



FS-30266/ANA-616
Sand



FS-30118/ANA-617
Dark Earth



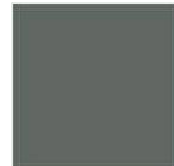
FS-21136/ANA-619
I. Red/Bright Red



FS-31136
I. Red/Bright Red



FS-36440/ ANA 620
Light Gull Grey



FS-36231/ANA-621
Dark Gull Grey

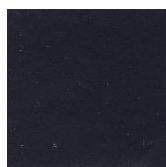


FS-27028/ANA-622
Jet Black (*Nightfighters*)

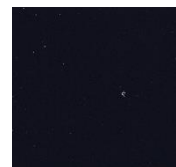


FS-12197/ANA-508
Int. Orange

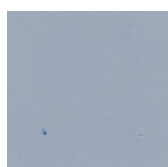
Some Colors without a convert-Mix Table;



FS-36118
Blue Gray



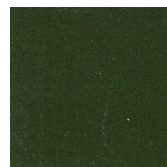
FS-16081/ANA-513
Engine Grey



FS-36375
Light Compass Grey



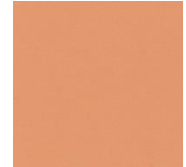
FS-34079
Leaf Green



FS-34102
Forest Green



FS-30140
Brown Special



FS-20400
Tan Special