

NO MIX[®]
L O W V O C
REFINISH SYSTEM

Tinter Characteristics

Use this guide in conjunction with the Color Wheel when adjusting (tinting) an existing color or when creating a new color.

TONER	SUITABILITY	MASSTONE	CHARACTERISTICS
01 BLACK	<ul style="list-style-type: none"> / Solid colors, metallics and pearls / Use as a tinting black only / Not recommended as a straight black 	<ul style="list-style-type: none"> / Redder than 10 and 37 / Milkiest of all blacks 	<ul style="list-style-type: none"> / Bluish tone in whites / Suitable for making whites and pastels greyer / Not recommended for use in bright colors containing no white / In metallics, it gives a lighter flip than 10 or 37
02 BLUE	<ul style="list-style-type: none"> / Normally for metallics and pearls only 	<ul style="list-style-type: none"> / Green undertone / Greener than 16, but redder than 28 	<ul style="list-style-type: none"> / In metallics, it produces a green face and a moderately green flip
03 BRIGHT BLUE	<ul style="list-style-type: none"> / Solid colors, metallics and pearls 	<ul style="list-style-type: none"> / Slightly red undertone / Greener than 36, but redder than 16 / Cleanest undertone of all blues 	<ul style="list-style-type: none"> / In whites, it is greener than 36, but redder than 16 / Recommended for bright clean blue colors / In metallics, it has a face and flip that's redder than 02 and greener than 16
04 BRIGHT GOLD	<ul style="list-style-type: none"> / Solid colors, metallics and pearls 	<ul style="list-style-type: none"> / Transparent red tone yellow / Redder than 51 / Reddest undertone of all yellows 	<ul style="list-style-type: none"> / Red yellow in whites, slightly dirtier than 51 / In metallics, it produces a reddish gold face like 24 and a bright yellow flip
05 BRIGHT RED	<ul style="list-style-type: none"> / Normally for solids only 	<ul style="list-style-type: none"> / Bright red with orange tone / Redder than 53 	<ul style="list-style-type: none"> / Ideal for the formulation of bright red solid colors / Mix with 53 to make yellower / Mix with 25 or 22 to make bluer
06 CUSTARD	<ul style="list-style-type: none"> / Normally for solids only / Not suitable as a trace TONER 	<ul style="list-style-type: none"> / Milky yellow ochre / Cleaner/milkier than 33 	<ul style="list-style-type: none"> / In whites, it is cleaner than 33 / In metallics, it produces a greenish flip
07 COPPER	<ul style="list-style-type: none"> / Normally for metallics and pearls only 	<ul style="list-style-type: none"> / Transparent red iron oxide / Yellower than 24 	<ul style="list-style-type: none"> / In metallics, it produces a reddish gold face and dark flip
08 VIVID MAGENTA	<ul style="list-style-type: none"> / Solid colors, metallics and pearls 	<ul style="list-style-type: none"> / Transparent magenta 	<ul style="list-style-type: none"> / In metallics, it produces a bright and intense pink look with a dark flip / More intense and brighter than 25 / Suited to the formulation of metallic pink colors and strong pinks in whites
09 RAVEN BLACK	<ul style="list-style-type: none"> / Most commonly used for straight (100%) OEM solid black colors / Suitable as a trace tinter only 	<ul style="list-style-type: none"> / A very intense black / The blackest of all blacks 	<ul style="list-style-type: none"> / Produces a very deep jet black on both the face and flip, same at all angles

TONER	SUITABILITY	MASSTONE	CHARACTERISTICS
10 DEEP BLACK	/ Solid colors, metallics and pearls	/ Blue tone black / Bluer than 01, but redder than 37	/ Yellowish tone in whites / Produces a jet-black finish / In metallics gives a darker flip than 01
11 DEEP BLUE	/ Solid colors, metallics and pearls.	/ Deep blue with red undertone. / Reddest of all blues.	/ Reddest tone in whites. / In metallics it has the reddest face and flip.
12 MAROON	/ Solid colors, metallics and pearls	/ Transparent brownish maroon / Bluer and dirtier than 13	/ Mix with 05 or 22 to make bright red and dark red solid colors / In metallics, it produces a dark red face and a slightly orange flip
13 DEEP MAROON	/ Normally for metallics and pearls only	/ Transparent brownish maroon / Yellower and cleaner than 12	/ In metallics, it produces a dark red face and a yellowish gold flip
14 GARNET	/ Normally for metallics and pearls only	/ Transparent orange tone red / Redder than 53. / Cleaner/yellower than 12	/ In metallics, it produces a clean red face and an orange flip
15 GREEN	/ Solid colors, metallics and pearls	/ Blue tone green / Bluer than 21	/ Suited to making both light and dark shades of green / Can be used in yellows and blues to make them greener
16 GREEN BLUE	/ Solid colors, metallics and pearls	/ Green undertone / Greener than 03, but redder than 02 / Not as clean as 03	/ In whites, it is greener than 03, but redder than 02 / In metallics, it produces a green face, but a reddish flip
17 GREEN GOLD	/ Solid colors, metallics and pearls / Not suitable as a trace TONER	/ Transparent yellow tone green	/ In whites, it gives a clean yellowish shade / In metallics, it produces a greenish yellow face and reddish flip
18 GREY BLACK	/ Normally for pearls only / For effect purposes	/ Milky grey black	/ In pearls, it produces a smoky graphite effect
19 EMPRESS BLACK	/ Normally for solids only	/ Blue tone black	/ Yellowish tone in whites / Produces a very jet-black with a stronger, deeper flip than 37
20 LIGHT RED OXIDE	/ Solid colors, metallics and pearls	/ Opaque red iron oxide with a bluish undertone	/ Suited to the formulation of earth tone red/brown solid colors / In metallics it is used to make flips lighter and more reddish
21 LIME	/ Solid colors, metallics and pearls	/ Yellow undertone. / Yellower than 15	/ Suited to making both light and dark shades of green / Mix with 52 to make lime greens
22 MAGENTA	/ Solid colors, metallics and pearls	/ Blue undertone / Bluest undertone of all the reds	/ Significantly bluer in white than 25 / Suited to the formulation of bright and dark red solid colors

TONER	SUITABILITY	MASSTONE	CHARACTERISTICS
23 MIDNIGHT BLUE	/ Normally for solids only / Suitable as a trace TONER	/ Blackish undertone / Opaque	/ Dirty blue tone in white / Only use in trace amounts
24 RED GOLD	/ Normally for metallics and pearls only	/ Transparent red iron oxide / Redder and dirtier than 07	/ In metallics it produces a copper face and dark flip
25 RED MAROON	/ Solid colors, metallics and pearls	/ Bluish undertone / Bluer than 35 and cleaner and yellower than 22	/ Clean slightly blue look in whites / Suited to the formulation of bright and dark red solid colors
26 VIVID ORANGE	/ Solid colors, metallic and pearls	/ Transparent orange	/ In metallics, it produces a bright orange look with a dark flip / Suited to the formulation of metallic orange colors and strong oranges in whites
27 RUBY	/ Solid colors, metallic and pearls	/ Transparent deep dark red	/ In metallics, produces a brighter red that is yellower than 35 but not as yellow as 14 and has dark red flip / In whites, is bluer and dirtier than 35
28 TURQUOISE	/ Solid colors, metallics and pearls	/ Green undertone / Greenest of all blues	/ Greenest tone in whites / In metallics, it has the greenest face and flip
29 MIDNIGHT	/ Most commonly used for straight (100%) OEM solid black colors / Suitable as a trace tinter only	/ A very intense black	/ Produces a very deep jet black on both the face and flip / Same at all angles
30 VIOLET	/ Solid colors, metallics and pearls	/ Deep violet / A weaker version of 34	/ Can be used in blues to make them redder / In metallics, it produces a light, brownish flip
31 WHITE	/ Solid colors, metallics and pearls / Use as a tinting white only / Not recommended as a straight white	/ Slightly blue tone white / A weaker version of 62	/ Suited to the formulation of whites and pastel solid colors / In metallics, it produces a lighter/milkier flip
32 YELLOW GOLD	/ Normally for metallics and pearls only	/ Transparent yellow iron oxide	/ In metallics, it produces a bright gold face and a very dark flip

TONER	SUITABILITY	MASSTONE	CHARACTERISTICS
33 YELLOW ORCHE	/ Solid colors, metallics and pearls	/ Opaque yellow iron oxide / Dirty than 06	/ Suited to the formulation of cream, beige, tan and brown solid colors / In metallics, it is used to make flips milkier and yellower
34 SPECIAL VIOLET	/ Solid colors, metallics and pearls	/ Deep violet / A stronger version of 30	/ Can be used in blues to make them more redder / In metallics, it produces a dirty brownish flip
35 PORT WINE RED	/ Normally for solids only / Suitable as a trace TONER in metallics and pearls	/ Slightly blue undertone / Bluer than 05, but cleaner and yellower than 25	/ In whites, it is dirty and bluer than 05 and dirty and yellower than 25 / Suited to the formulation of clean solid colors
36 DEEP BLUE	/ Solid colors, metallics and pearls	/ Deep blue with red undertone / Greener than 11, but redder than 03	/ In whites, it is greener than 11, but redder than 03 / In metallics, it has a red face, and a slightly weaker red flip
37 SPECIAL DEEP BLACK	/ Solid colors, metallics and pearls	/ Blue tone black / Bluer and blacker than 10, but not as black as 19	/ Yellowish tone in whites. / Produces a very jet-black finish / In metallics, it produces a stronger, deeper flip than 10
38 SPECIAL RED MAROON	/ Solid colors, metallics and pearls	/ Bluish undertone / Similar to 25 but yellower	/ In whites, it is dirty and yellower than 25 / Suited to the formulation of bright and dark red solid colors
39 HS SPECIAL RED	/ Normally for solids only	/ Bright red with orange tone	/ A higher strength equivalent of 05, when better coverage is required / Ideal for the formulation of bright red solid colors
40 ROYAL BLUE	/ Solid colors, metallics and pearls	/ Deep blue with a reddish undertone / Greener than 36, but redder than 03	/ In whites, it is greener than 36, but redder than 03 / In metallics it has a reddish face, with a neutral flip
41 REDUCED BLACK	/ Solid colors, metallics and pearls / Suitable as a trace TONER	/ A reduced strength version of 01	/ Suitable for making whites greyer / In metallics it produces a deeper face and flip
42 SILK SILVER	/ For effect purposes in metallics and pearls	/ Pure white crystal effect / Transparent	/ Suitable for producing white effect colors / Very high sparkle in direct sunlight
43 SILK RUSSET	/ For effect purposes in metallics and pearls	/ Red/russet crystal effect	/ Suitable for producing red/russet effect colors / Very high sparkle in direct sunlight
44 SILK GOLD	/ For effect purposes in metallics and pearls	/ Yellow crystal effect / Transparent	/ Suitable for producing yellow effect colors / In metallics it produces a gold hue / Very high sparkle in direct sunlight

45 SILK BLUE	/ For effect purposes in metallics and pearls	/ Blue crystal effect / Transparent	/ Suitable for producing blue effect colors / Very high sparkle in direct sunlight
46 SILK RED	/ For effect purposes in metallics and pearls	/ Red crystal effect / Transparent	/ Suitable for producing red and blue effect colors / Very high sparkle in direct sunlight
47 SILK GREEN	/ For effect purposes in metallics and pearls	/ Green crystal effect / Transparent	/ Suitable for producing green effect colors / In metallics it produces a greenish hue / Very high sparkle in direct sunlight
48 SILK COPPER	/ For effect purposes in metallics and pearls	/ Orange / copper crystal effect	/ Suitable for producing red / brown effect colors / Very high sparkle in direct sunlight
51 RED YELLOW	/ Normally for solids only	/ Red tone opaque yellow	/ Red yellow in whites, cleaner than 04 / Ideal for the formulation of yellow and orange solid colors
52 TOPAZ	/ Solid colors, metallics and pearls	/ Transparent green tone yellow / Between 51 and 63	/ Clean green tone yellow in whites
53 ORGANIC ORANGE	/ Normally for solids only / Suitable as a trace TONER	/ Bright orange	/ Ideal for the formulation of bright red and orange colors
54 SPECIAL SILVER BRIGHT FINE	/ Metallics	/ Fine silver dollar. / Finest of the silver dollars / Medium brightness	/ Very white face with a very white flip / Same at all angles / Good sparkle in direct sunlight / Very good tinting strength
55 SPECIAL SILVER COARSE	/ Metallics	/ Very coarse silver dollar / Coarsest of the silver dollars / Very bright	/ White face and white flip. Same at all angles / Very high sparkle in direct sunlight / Weak tinting strength
56 SILVER DOLLAR BRIGHT COARSE	/ Metallics	/ Medium fine silver dollar / Between 54 and 56 / Very bright	/ Bright/shiny face with a slightly darker flip / Very good sparkle in direct sunlight / Good tinting strength
57 SILVER DOLLAR BRIGHT FINE	/ Metallics	/ Medium fine silver dollar / Between 54 and 56 / Very bright	/ Bright/shiny face with a slightly darker flip / Very good sparkle in direct sunlight / Good tinting strength
59 METALLIC ADDITIVE	/ Normally for metallics and pearls only	/ Milky clear	/ Makes a metallic and pearl particle "stand up" and appear brighter / It affects metallics by making them appear darker on the face and sparkler on the flip

60 STABILIZER ADDITIVE	/ Normally for metallics and pearls only	/ Milky clear	/ Aids in the suspension of metallics and pearls / Used to make the base for a three-layer pearl
61 EFFECT WHITE	/ Normally for metallics and pearls only / For effect purposes	/ Transparent ultrafine white	/ In metallics it produces a yellowish face and a deep blue flip
62 HS SPECIAL WHITE	/ Normally for solids only / Recommended as a straight white	/ Slightly blue tone white / A stronger version of 31	/ Suited to the formulation of whites and pastel solid colors
63 HS SPECIAL YELLOW	/ Normally for solids only	/ Green tone yellow / Greenest and cleanest undertone of all yellows	/ Clean green tone yellow in whites, cleaner than 52 / Ideal for the formulation of bright yellow solid colors, when better coverage is required
65 FINE METALLIC	/ Metallics	/ Fine to medium / Between 69 and 70 / Quite dull/grey	/ Greyish face and a slightly darker flip / Similar to 69, except slightly coarser with a darker flip / Good tinting strength
66 MEDIUM METALLIC	/ Metallics	/ Medium / Between 70 and 71 / Medium brightness	/ Moderately bright face with a dark flip / Similar to 70, except not as shiny with a lighter flip and weaker tinting strength
67 COARSE METALLIC	/ Metallics	/ Coarse / Between 72 and 74 / Medium brightness	/ Moderately bright/shiny face with a darker flip / Similar to 72, except not as white with a less red flip and weaker tinting strength
68 EXTRA FINE SILVER	/ Metallics	/ Very fine / Finest of all metallics / Dullest/greyest of all metallics	/ Very grey face with a very slightly lighter flip / Extremely high tinting strength
69 FINE SILVER	/ Metallics	/ Fine / Between 68 and 65 / Quite dull/grey	/ Slightly grey face and a light flip / Very good tinting strength
70 SILVER	/ Metallics	/ Medium / Between 65 and 66 / Medium brightness	/ Moderately bright/shiny face with a slight reddish flip / Good tinting strength
71 MEDIUM SILVER	/ Metallics	/ Medium / Between 66 and 72 / Very bright	/ Bright/shiny face with a dark reddish flip / High sparkle in direct sunlight / Very good tinting strength
72 COARSE SILVER	/ Metallics	/ Medium to coarse / Between 71 and 67 / Medium brightness	/ Clean bright face with a slightly bluish white flip / Very good tinting strength

74 COARSE ALUMINIUM	/ Metallics	/ Coarse / Between 67 and 75 / Very bright	/ Bright/shiny face with a medium dark flip / High sparkle in direct sunlight / Similar to 71, except slightly coarser with a less red flip / Moderate tinting strength
75 EXTRA COARSE ALUMINIUM	/ Metallics	/ Very Coarse / Coarsest and brightest of all metallics	/ Bright/shiny face with a dark flip / Very high sparkle in direct sunlight / Weak tinting strength
77 FINE WHITE PEARL	/ Pearls	/ Fine white pearl / Between 97 and 78	/ White face with a dark golden yellow flip
78 WHITE SPARKLE PEARL	/ Pearls	/ Bright white pearl. / Coarsest of all white pearls / Transparent	/ Bright white face with a golden yellow flip / High sparkle in direct sunlight
80 YELLOW PEARL	/ Pearls	/ Yellow pearl / Transparent	/ Bright yellow face with a milky blue flip
82 FINE YELLOW GOLD PEARL	/ Pearls	/ Gold metallic	/ Bright reddish gold face with a darker flip
83 ORANGE PEARL	/ Pearls	/ Orange metallic	/ Bright orange face with a slightly darker flip
86 COPPER PEARL	/ Pearls	/ Copper pearl	/ Bright copper face with a cleaner copper flip
87 BRIGHT RUSSET PEARL	/ Pearls	/ Bright russet pearl / Coarser and lighter than 88	/ Yellowish russet face with quite a bright crimson flip
88 FINE RUSSET PEARL	/ Pearls	/ Fine russet pearl. / Finer and darker than 87	/ Brownish red/russet face with a reddish brown flip
89 BLUE RUSSET PEARL	/ Pearls	/ Blue russet pearl / Bluer and darker than 87	/ Bluish red/russet face with a darker brown flip
90 RED BLUE PEARL	/ Pearls	/ Fine blue pearl / Finest and reddest of all blue pearls / Transparent	/ Reddish blue face with a milky yellow flip
91 FINE BLUE PEARL	/ Pearls	/ Fine blue pearl / Between 90 and 92 / Transparent	/ Slightly reddish blue face with a slightly yellow flip
92 GREEN BLUE PEARL	/ Pearls	/ Bright blue pearl / Coarsest and greenest of all blue pearls / Transparent	/ Bright slightly greenish blue face with a yellowish brown flip

93 FINE GREEN PEARL	/ Pearls	/ Fine green pearl / Yellowest of all green pearls / Transparent	/ Bright slightly yellowish green face with a red flip
95 BLUE GREEN PEARL	/ Pearls	/ Blue green pearl / Bluest of all green pearls / Transparent	/ Bluish green face with a dark golden yellow flip
96 RED PEARL	/ Pearls	/ Red pearl / Transparent	/ Bright yellowish red face with a slightly bluish green flip
97 FINE SLIVER PEARL	/ Pearls	/ Fine white pearl / Finest of all white pearls	/ Yellowish white face and flip
98 FINE VIOLET PEARL	/ Pearls	/ Lilac pearl / Transparent	/ Bright lilac face with a slightly yellowish green flip
99 METALLIC RAISER	/ Normally for metallics and pearls only	/ Milky clear	/ Makes a metallic and pearl particle "stand up" and appear brighter / Effects metallics by giving them a brighter, cleaner and a more brilliant face and flip
101 RED CANDY	/ Used in three-layer special effect or OEM colors / Completely transparent toner	/ Bright transparent mid shade red. / Lighter and yellower than 102 / Only suitable over metallic (or other effect ground coats) / Transparent	/ Bright clean tones in three-layer formulations, with increased depth perception / Can be used over metallics silvers and/or russet pearl ground coats, to achieve clean bright OEM colors or custom effects
102 BRANDY WINE CANDY	/ Used in three-layer special effect or OEM colors / Completely transparent toner	/ Bright transparent magenta shade red / Darker and bluer (redder) than 102 / Only suitable over metallic (or other effect ground coats) / Transparent	/ Bright clean tones in three-layer formulations, with increased depth perception / Can be used over metallics silvers and/or russet pearl ground coats, to achieve clean bright OEM colors or custom effects
103 YELLOW CANDY	/ Used in three-layer special effect or OEM colors / Completely transparent toner	/ Bright transparent slightly red shade yellow / Only suitable over metallic (or other effect ground coats) / Transparent	/ Bright clean tones in three-layer formulations, with increased depth perception / Can be used over ground coats which contain metallic, pearls and/or Silk Xirallic, to achieve clean bright OEM colors or custom effects

104 GREEN CANDY	<ul style="list-style-type: none"> / Used in three-layer special effect or OEM colors / Completely transparent ton 	<ul style="list-style-type: none"> / Bright transparent slightly blue shade green / Only suitable over metallic (or other effect ground coats) / Transparent 	<ul style="list-style-type: none"> / Bright clean tones in three-layer formulations, with increased depth perception / Can be used over metallics silvers and/or Silk Xirallic ground coats, to achieve clean bright OEM colors or custom effects
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