Converting Colors

RYB(108, 135, 212)

Have a look what the booklet for RYB(108, 135, 212) contains.

Color

RYB(108, 135, 212)

Conversions

Conversions Part 1

Format	Color
Hex	6C90D4
RGB	108, 144, 212
RGB Percent	42%, 56%, 83%
CMY	0.5765, 0.4335, 0.1686
CMYK	0.49, 0.32, 0.00, 0.17
HSL	219°, 55%, 63%
HSV	219°, 49%, 83%
XYZ	28.1122, 28.0301, 66.2160
YIQ	140.9880, -43.2840, 13.5160

Conversions

Conversions Part 2

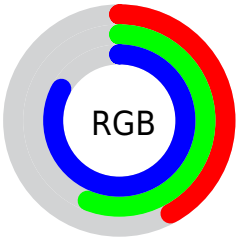
Format	Color
RYB	108, 135, 212
Decimal	7114964
CIELab	59.92, 5.91, -38.56
CIELCh	60, 39.007, 278.719
Yxy	28.0301, 0.2298, 0.2291
Android (android.graphics.Color)	4285305044 (0xFF6C90D4)
YUV	140.9880, 35.0089, -28.9305
Hunter-Lab	52.9434, 2.1301, -37.0933

Details

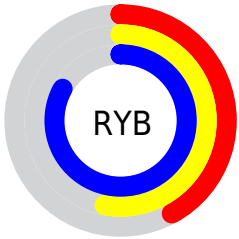
The RYB color 108, 135, 212 is a light color, and the websafe version is hex 6699CC. A complement of this color would be 163, 212, 108, and the grayscale version is 141, 141, 141.

A 20% lighter version of the original color is 164, 189, 255, and 50, 81, 157 is the 20% darker color. If you saturate the color by 10%, you get 87, 120, 212, and if you desaturate by 10%, it is 129, 150, 212.

Distribution

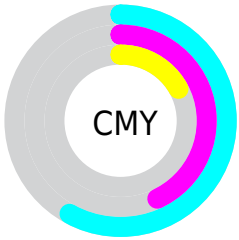


- Red (42%)
- Green (56%)
- Blue (83%)



- Red (42%)
- Yellow (53%)
- Blue (83%)

- Cyan (49%)
- Magenta (32%)
- Yellow (0%)
- Black (17%)



- Cyan (58%)
- Magenta (43%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 108, 135, 212 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 108, 135, 212 by changing the saturation by 10% instead.

108, 135, 212	108, 135, 212
255, 255, 255	80, 108, 184
164, 189, 255	50, 81, 157
193, 215, 255	9, 50, 131
222, 239, 255	0, 33, 105
252, 254, 255	0, 21, 81
	0, 1, 57
	0, 2, 35
	0, 0, 10
	0, 0, 0

108, 135, 212	108, 135, 212
87, 120, 212	129, 150, 212
66, 104, 212	150, 166, 212
44, 88, 212	172, 182, 212
23, 72, 212	193, 198, 212
2, 57, 212	214, 214, 212
0, 55, 212	224, 235, 212
	233, 255, 212
	212, 255, 212

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

22, 100, 208

108, 135, 212

161, 132, 198

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

108, 135, 212

206, 126, 103

74, 131, 160

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

108, 135, 212

163, 212, 108

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

89, 155, 125

108, 135, 212

182, 186, 80

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

108, 135, 212

210, 116, 136

86, 156, 75

0, 83, 162

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

108, 135, 212

186, 124, 181

86, 156, 75

90, 145, 159

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

108, 135, 212

217, 227, 255

108, 172, 212

105, 111, 128

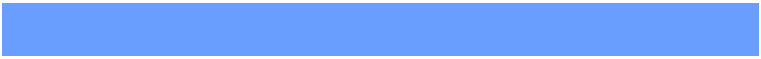
0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

108, 135, 212



105, 144, 255

122, 108, 212

96, 99, 107

0, 44, 171

0, 11, 43

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

212, 108, 144

255, 105, 157

108, 212, 122

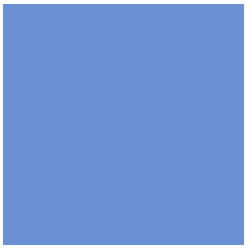
107, 96, 100

171, 0, 60

43, 0, 15

Previews

White Background

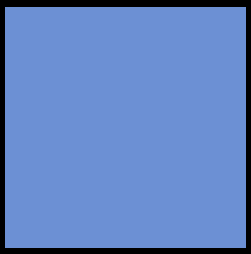


This preview shows how the RYB color 108, 135, 212 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



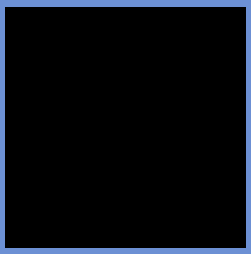
This preview shows how the RYB color 108, 135, 212 looks on a black background.

Color Contrast Check

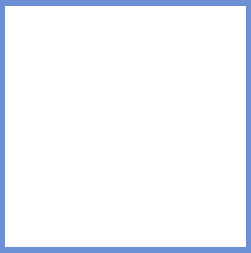
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 108, 135, 212 Background



This preview shows how black text looks on a background with the RYB color 108, 135, 212.

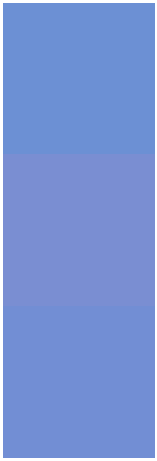


This preview shows how white text looks on a background with the RYB color 108, 135, 212.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy



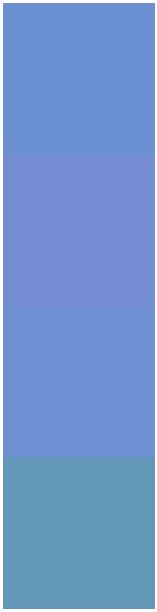
Original Color
108, 135, 212

Protanopia
122, 138, 210

Deuteranopia
114, 136, 212

Tritanopia
94, 126, 166

Trichromacy



Original Color
108, 135, 212

Protanomaly
117, 137, 211

Deuteranomaly
112, 136, 212

Tritanomaly
99, 131, 183

Monochromacy

Original Color
108, 135, 212

Achromatopsia
141, 141, 141

Achromatomaly
129, 139, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 108, 135, 212 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(108, 144, 212) looks like.

```
.text, #text, p{
    color:rgb(108, 144, 212)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(108, 144, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 144, 212) }
```

Border

The CSS property to change the border of an element to RYB 108, 135, 212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 144, 212) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(108, 144, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(108, 144, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 144, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 144, 212); box-shadow:4px 4px 4px 4px rgb(108, 144, 212) }
```

Background

The CSS property to change the background color of an element to RYB 108, 135, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(108, 144, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(108,
144, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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