Converting Colors

RYB(84, 109, 214)

Have a look what the booklet for RYB(84, 109, 214) contains.

Color

RYB(84, 109, 214)

Conversions

Conversions Part 1

Format	Color
Hex	5473D6
RGB	84, 115, 214
RGB Percent	33%, 45%, 84%
CMY	0.6706, 0.5492, 0.1608
CMYK	0.61, 0.46, 0.00, 0.16
HSL	226°, 61%, 58%
HSV	226°, 61%, 84%
XYZ	21.9191, 18.9905, 66.1286
YIQ	117.0170, -50.2550, 24.2170

Conversions

Conversions Part 2

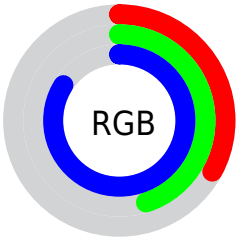
Format	Color
RYB	84, 109, 214
Decimal	5534678
CIELab	50.68, 19.22, -54.41
CIELCh	51, 57.708, 289.456
Yxy	18.9905, 0.2048, 0.1774
Android (android.graphics.Color)	4283724758 (0xFF5473D6)
YUV	117.0170, 47.8126, -28.9559
Hunter-Lab	43.5781, 13.5210, -59.4664

Details

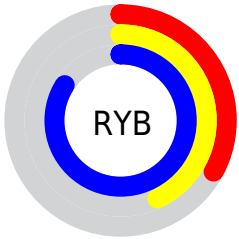
The RYB color 84, 109, 214 is a dark color, and the websafe version is hex 3366CC. The color can be described as middle muted azure. A complement of this color would be 125, 214, 84, and the grayscale version is 117, 117, 117.

A 20% lighter version of the original color is 144, 163, 255, and 0, 48, 159 is the 20% darker color. If you saturate the color by 10%, you get 63, 92, 214, and if you desaturate by 10%, it is 105, 126, 214.

Distribution

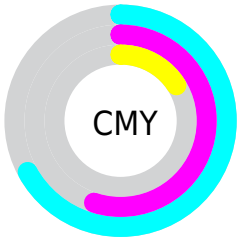


- Red (33%)
- Green (45%)
- Blue (84%)



- Red (33%)
- Yellow (43%)
- Blue (84%)

- Cyan (61%)
- Magenta (46%)
- Yellow (0%)
- Black (16%)



- Cyan (67%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 109, 214 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 84, 109, 214 by changing the saturation by 10% instead.

84, 109, 214

255, 255, 255

144, 162, 255

173, 190, 255

203, 216, 255

232, 242, 255

84, 109, 214

51, 82, 186

0, 48, 159

0, 34, 132

0, 22, 106

0, 0, 81

0, 5, 57

0, 2, 35

0, 0, 9

0, 0, 0

84, 109, 214

63, 92, 214

41, 74, 214

20, 57, 214

0, 41, 214

84, 109, 214

105, 126, 214

127, 144, 214

148, 161, 214

170, 178, 214

191, 195, 214

212, 213, 214

221, 234, 214

227, 255, 214

214, 255, 214

Harmonies

Analogous

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

0, 82, 218

84, 109, 214

162, 93, 185

Triad

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

84, 109, 214

192, 111, 46

0, 83, 142

Complementary

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

84, 109, 214

125, 214, 84

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.

51, 137, 138

84, 109, 214

70, 159, 3

Square

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

84, 109, 214

208, 73, 91

4, 128, 18

0, 74, 152

Rectangle

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

84, 109, 214

191, 78, 156

4, 128, 18

0, 88, 141

Sweetspot

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

84, 109, 214

209, 218, 255

84, 158, 214

99, 105, 128

0, 0, 0

128, 128, 128

Same Dimension

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

84, 109, 214

69, 105, 255

117, 84, 214

96, 98, 107

0, 33, 171

0, 8, 43

Inverse Universe

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

214, 84, 115

255, 69, 113

84, 214, 116

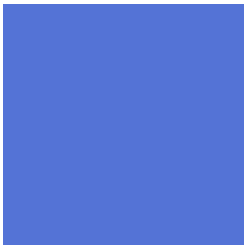
107, 96, 99

171, 0, 41

43, 0, 10

Previews

White Background

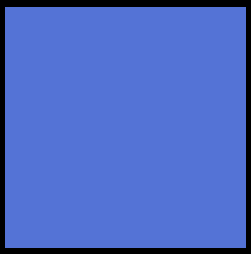


This preview shows how the RYB color 84, 109, 214 looks on a white background.

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



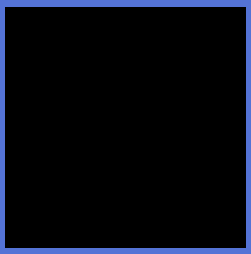
This preview shows how the RYB color 84, 109, 214 looks on a black background.

Color Contrast Check

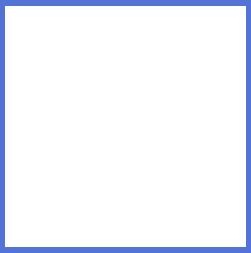
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RYB 84, 109, 214 Background



This preview shows how black text looks on a background with the RYB color 84, 109, 214.



This preview shows how white text looks on a background with the RYB color 84, 109, 214.

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

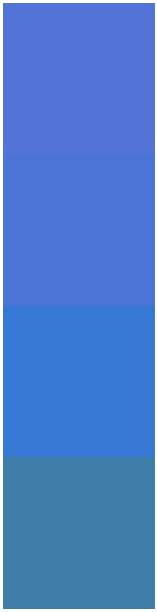
Original Color
84, 109, 214

Protanopia
72, 106, 216

Deuteranopia
38, 95, 212

Tritanopia
50, 93, 142

Trichromacy



Original Color
84, 109, 214

Protanomaly
76, 107, 215

Deuteranomaly
55, 101, 213

Tritanomaly
62, 102, 168

Monochromacy

Original Color
84, 109, 214

Achromatopsia
117, 117, 117

Achromatomaly
105, 114, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 109, 214 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(84, 115, 214) looks like.

```
.text, #text, p{
    color:rgb(84, 115, 214)
}
```

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(84, 115, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 115, 214) }
```

Border

The CSS property to change the border of an element to RYB 84, 109, 214 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(84, 115, 214) }
```

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

```
.border{ border-color:rgb(84, 115, 214) }
```

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

Here you see how a box with a 4 pixel rgb(84, 115, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 115, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 115, 214); box-shadow:4px 4px 4px 4px rgb(84, 115, 214) }
```

Background

The CSS property to change the background color of an element to RYB 84, 109, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(84, 115, 214) }
```

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

```
.background{ background-color:rgb(84, 115,
214) }
```

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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