

Converting Colors

`RYB(84, 108, 199)`

Have a look what the booklet for
RYB(84, 108, 199) contains.

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Color

`RYB(84, 108, 199)`

Conversions

Conversions Part 1

Format	Color
Hex	5472C7
RGB	84, 114, 199
RGB Percent	33%, 45%, 78%
CMY	0.6706, 0.5516, 0.2196
CMYK	0.58, 0.43, 0.00, 0.22
HSL	224°, 51%, 55%
HSV	224°, 58%, 78%
XYZ	20.0195, 18.1175, 56.4747
YIQ	114.7200, -45.1650, 20.0750

Conversions

Conversions Part 2

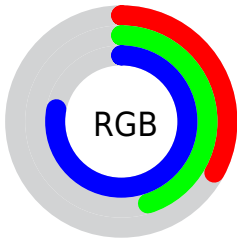
Format	Color
R_{YB}	84, 108, 199
Decimal	5534407
CIE _{Lab}	49.64, 14.57, -47.52
CIE _{LCh}	50, 49.706, 287.043
Yxy	18.1175, 0.2116, 0.1915
Android (android.graphics.Color)	4283724487 (0xFF5472C7)
YUV	114.7200, 41.5500, -26.9414
Hunter-Lab	42.5646, 9.4663, -48.8707

Details

The RYB color **84, 108, 199** 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, 199, 84**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **142, 162, 255**, and **8, 49, 144** is the 20% darker color. If you saturate the color by 10%, you get **64, 92, 199**, and if you desaturate by 10%, it is **104, 124, 199**.

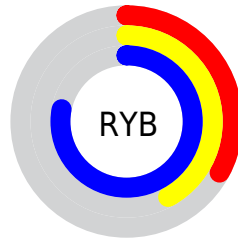
Distribution



Red (33%)

Green (45%)

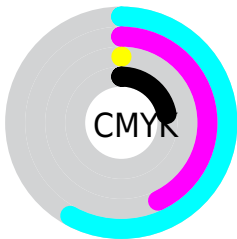
Blue (78%)



Red (33%)

Yellow (42%)

Blue (78%)

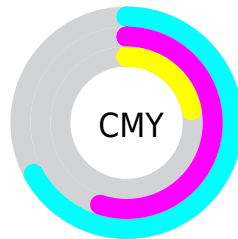


Cyan (58%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (67%)

Magenta (55%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 108, 199 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, 108, 199 by changing the saturation by 10% instead.

■ 84, 108, 199

■ 84, 108, 199

255, 255, 255

■ 53, 81, 171

■ 142, 162, 255

■ 8, 49, 144

■ 170, 188, 255

■ 0, 33, 118

■ 199, 215, 255

■ 0, 20, 93

■ 229, 240, 255

■ 0, 0, 69

■ 0, 3, 46

■ 0, 1, 24

■ 0, 0, 0

■ 84, 108, 199

■ 84, 108, 199

■ 64, 92, 199

■ 104, 124, 199

■ 44, 76, 199

■ 124, 140, 199

■ 24, 60, 199

■ 144, 155, 199

■ 4, 45, 199

■ 164, 171, 199

■ 0, 41, 199

■ 184, 187, 199

■ 200, 203, 199

■ 207, 223, 199

■ 214, 243, 199

■ 210, 255, 199

Harmonies

Analogous

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



0, 78, 200



84, 108, 199



151, 96, 176

Triad

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



84, 108, 199



183, 105, 58



0, 80, 137

Complementary

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



84, 108, 199



125, 199, 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.



57, 132, 122



84, 108, 199



103, 155, 30

Square

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



84, 108, 199



195, 80, 96



28, 123, 34



0, 70, 141

Rectangle

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



84, 108, 199



177, 85, 152



28, 123, 34



0, 84, 136

Sweetspot

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



84, 108, 199



212, 221, 255



84, 150, 199



102, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 108, 199



79, 115, 255



111, 84, 199



90, 92, 99



0, 34, 163



0, 7, 36

Inverse Universe

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



199, 84, 114



255, 79, 125



84, 199, 111



99, 90, 92



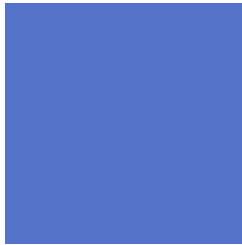
163, 0, 43



36, 0, 9

Previews

White Background



This preview shows how the RYB color 84, 108, 199 looks on a white 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

Black Background



This preview shows how the RYB color 84, 108, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

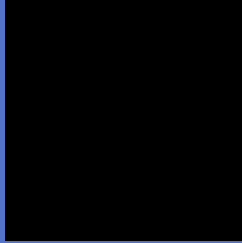
Any Text WCAG AA ✓ Pass

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](#).

R Y B 84, 108, 199 Background



This preview shows how black text looks on a background with the RYB color 84, 108, 199.

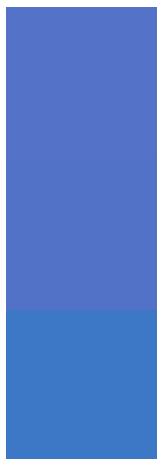


This preview shows how white text looks on a background with the RYB color 84, 108, 199.

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, 108, 199

Protanopia

81, 107, 199

Deuteranopia

61, 102, 198



Tritanopia
59, 96, 138

Trichromacy



Original Color
84, 108, 199

Protanomaly
82, 108, 199

Deuteranomaly
69, 104, 198

Tritanomaly
68, 102, 160

Monochromacy



Original Color
84, 108, 199

Achromatopsia
115, 115, 115

Achromatomaly
104, 113, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 108, 199 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, 114, 199)` looks like.

```
.text, #text, p{  
    color:rgb(84, 114, 199)  
}
```

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, 114, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 114, 199) }
```

Border

The CSS property to change the border of an element to RYB 84, 108, 199 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, 114, 199) }
```

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

```
.border{ border-color:rgb(84, 114, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 114, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 114, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 114, 199);  
box-shadow:4px 4px 4px 4px rgb(84, 114,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 84, 108, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 114, 199) }
```

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

```
.background{ background-color: rgb(84, 114,  
199) }
```

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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