

Converting Colors

R_YB(68, 119, 214)

Have a look what the booklet for
RYB(68, 119, 214) contains.

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Color

`RYB(68, 119, 214)`

Conversions

Conversions Part 1

Format	Color
Hex	4492D6
RGB	68, 146, 214
RGB Percent	27%, 57%, 84%
CMY	0.7333, 0.4260, 0.1608
CMYK	0.68, 0.32, 0.00, 0.16
HSL	208°, 64%, 55%
HSV	208°, 68%, 84%
XYZ	24.8589, 26.7588, 67.4731
YIQ	130.4300, -68.3160, 4.6120

Conversions

Conversions Part 2

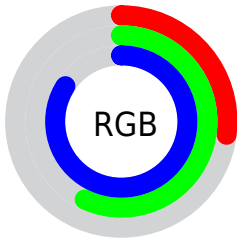
Format	Color
R_{YB}	68, 119, 214
Decimal	4494038
CIE _{Lab}	58.75, -2.44, -41.63
CIE _{LCh}	59, 41.703, 266.639
Yxy	26.7588, 0.2087, 0.2247
Android (android.graphics.Color)	4282684118 (0xFF4492D6)
YUV	130.4300, 41.2000, -54.7511
Hunter-Lab	51.7289, -4.7454, -41.1253

Details

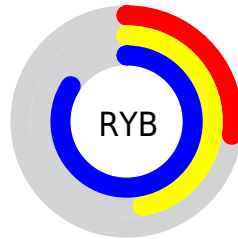
The RYB color **68, 119, 214** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **214, 195, 68**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **131, 175, 255**, and **0, 60, 159** is the 20% darker color. If you saturate the color by 10%, you get **47, 105, 214**, and if you desaturate by 10%, it is **89, 133, 214**.

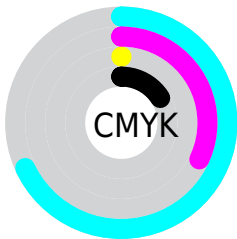
Distribution



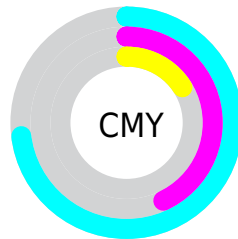
- Red (27%)
- Green (57%)
- Blue (84%)



- Red (27%)
- Yellow (47%)
- Blue (84%)



- Cyan (68%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)




















- Cyan (73%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 119, 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 68, 119, 214 by changing the saturation by 10% instead.

 68, 119, 214	 68, 119, 214
 255, 255, 255	 26, 86, 186
 131, 175, 255	 0, 60, 159
 161, 200, 255	 0, 47, 132
 190, 223, 255	 0, 35, 107
 220, 238, 255	 0, 22, 82
 251, 253, 255	 0, 5, 59
	 0, 2, 36
	 0, 0, 12
	 0, 0, 0

■ 68, 119, 214

■ 68, 119, 214

■ 47, 105, 214

■ 89, 133, 214

■ 25, 91, 214

■ 111, 147, 214

■ 4, 77, 214

■ 132, 161, 214

■ 0, 75, 214

■ 154, 175, 214

■ 175, 189, 214

■ 196, 202, 214

■ 218, 218, 214

■ 239, 237, 214

■ 249, 255, 214

Harmonies

Analogous

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



0, 88, 202



68, 119, 214



138, 133, 207

Triad

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



68, 119, 214



210, 114, 111



86, 144, 156

Complementary

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



68, 119, 214



214, 195, 68

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.



74, 149, 92



68, 119, 214



195, 153, 81

Square

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



68, 119, 214



207, 111, 147



108, 167, 67



0, 86, 160

Rectangle

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



68, 119, 214



170, 124, 192



108, 167, 67



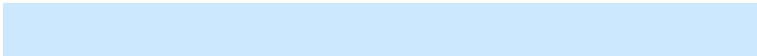
89, 154, 141

Sweetspot

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



68, 119, 214



204, 222, 255



68, 169, 214



97, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



68, 119, 214



46, 119, 255



68, 75, 214



96, 100, 107



0, 60, 171



0, 15, 43

Inverse Universe

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



214, 68, 146



255, 46, 158



75, 214, 68



107, 96, 102



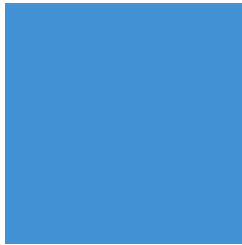
171, 0, 92



43, 0, 23

Previews

White Background



This preview shows how the RYB color 68, 119, 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 68, 119, 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 68, 119, 214 Background



This preview shows how black text looks on a background with the RYB color 68, 119, 214.

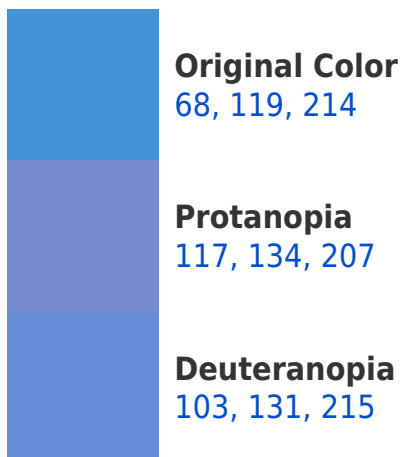


This preview shows how white text looks on a background with the RYB color 68, 119, 214.

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](#).

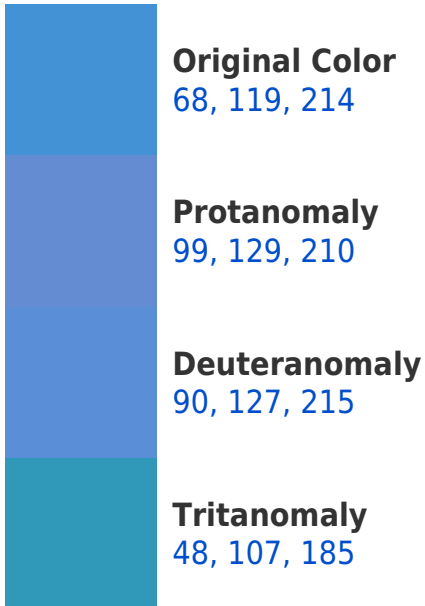
Dichromacy



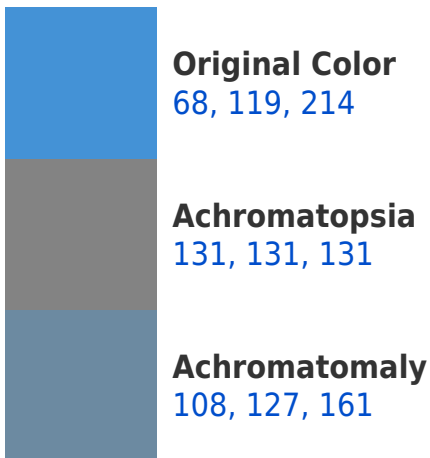


Tritanopia
36, 99, 168

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 119, 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(68, 146, 214)` looks like.

```
.text, #text, p{  
    color:rgb(68, 146, 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(68, 146, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 146, 214) }
```

Border

The CSS property to change the border of an element to RYB 68, 119, 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(68, 146, 214) }
```

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

```
.border{ border-color:rgb(68, 146, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 146, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 146, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 146, 214);  
box-shadow:4px 4px 4px 4px rgb(68, 146,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 68, 119, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 146, 214) }
```

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

```
.background{ background-color: rgb(68, 146,  
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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