

Converting Colors

`RYB(96, 133, 209)`

Have a look what the booklet for RYB(96, 133, 209) contains.

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Color

RYB(96, 133, 209)

Conversions

Conversions Part 1

Format	Color
Hex	6097D1
RGB	96, 151, 209
RGB Percent	38%, 59%, 82%
CMY	0.6235, 0.4078, 0.1804
CMYK	0.54, 0.28, 0.00, 0.18
HSL	211°, 55%, 60%
HSV	211°, 54%, 82%
XYZ	27.4012, 29.2277, 64.5189
YIQ	141.1670, -51.3980, 6.3780

Conversions

Conversions Part 2

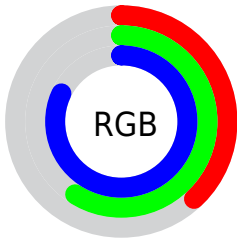
Format	Color
R _Y B	96, 133, 209
Decimal	6330321
CIE Lab	60.98, -1.52, -35.26
CIE LCh	61, 35.291, 267.539
Yxy	29.2277, 0.2262, 0.2413
Android (android.graphics.Color)	4284520401 (0xFF6097D1)
YUV	141.1670, 33.4417, -39.6115
Hunter-Lab	54.0626, -4.1383, -32.9134

Details

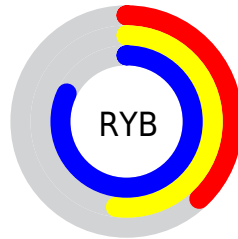
The RYB color **96, 133, 209** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **203, 209, 96**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **153, 187, 255**, and **32, 76, 154** is the 20% darker color. If you saturate the color by 10%, you get **75, 119, 209**, and if you desaturate by 10%, it is **117, 147, 209**.

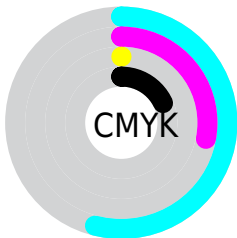
Distribution



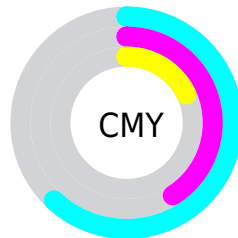
- Red (38%)
- Green (59%)
- Blue (82%)



- Red (38%)
- Yellow (52%)
- Blue (82%)



- Cyan (54%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)



















- Cyan (62%)
- Magenta (41%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 133, 209 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 96, 133, 209 by changing the saturation by 10% instead.

 96, 133, 209	 96, 133, 209
 255, 255, 255	 67, 105, 181
 153, 187, 255	 32, 76, 154
 182, 212, 255	 0, 48, 128
 211, 233, 255	 0, 35, 103
 241, 248, 255	 0, 23, 78
	 0, 8, 55
	 0, 2, 33
	 0, 0, 6
	 0, 0, 0

■ 96, 133, 209

■ 96, 133, 209

■ 75, 119, 209

■ 117, 147, 209

■ 54, 105, 209

■ 138, 161, 209

■ 33, 91, 209

■ 159, 175, 209

■ 12, 77, 209

■ 180, 189, 209

■ 0, 69, 209

■ 201, 204, 209

■ 221, 221, 209

■ 240, 242, 209

■ 239, 255, 209

■ 217, 255, 209

Harmonies

Analogous

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



32, 104, 199



96, 133, 209



147, 140, 202

Triad

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



96, 133, 209



207, 125, 120



101, 150, 160

Complementary

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



96, 133, 209



203, 209, 96

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.



91, 154, 107



96, 133, 209



194, 159, 95

Square

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



96, 133, 209



204, 123, 151



121, 170, 84



56, 116, 164

Rectangle

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



96, 133, 209



173, 132, 189



121, 170, 84



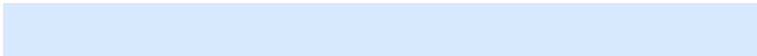
104, 159, 149

Sweetspot

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



96, 133, 209



214, 227, 255



96, 171, 209



103, 111, 128



0, 0, 0



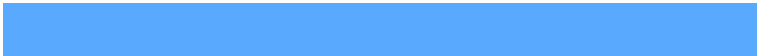
128, 128, 128

Same Dimension

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



96, 133, 209



89, 143, 255



96, 96, 209



94, 97, 105



0, 55, 168



0, 13, 41

Inverse Universe

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



209, 96, 151



255, 89, 170



96, 209, 96



105, 94, 99



168, 0, 82



41, 0, 20

Previews

White Background



This preview shows how the RYB color 96, 133, 209 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 96, 133, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

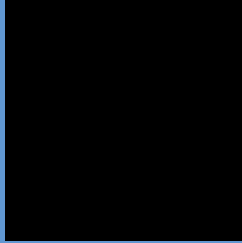
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

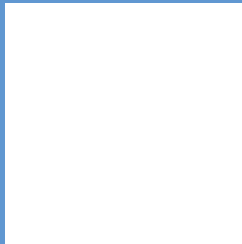
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 96, 133, 209 Background



This preview shows how black text looks on a background with the R Y B color 96, 133, 209.

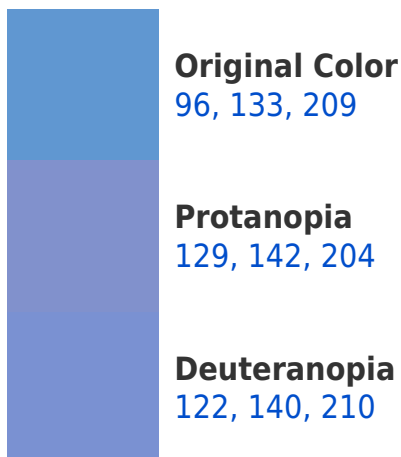


This preview shows how white text looks on a background with the R Y B color 96, 133, 209.

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](#).

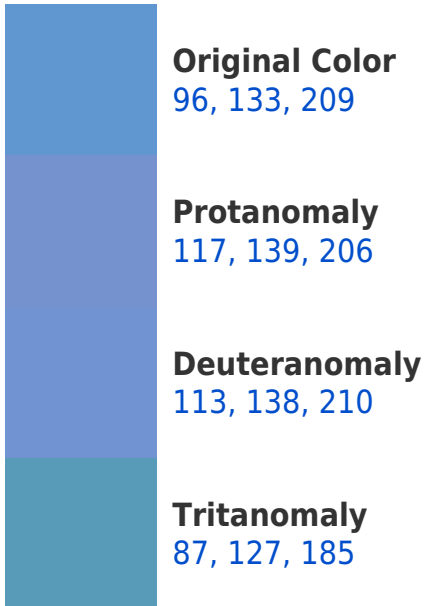
Dichromacy



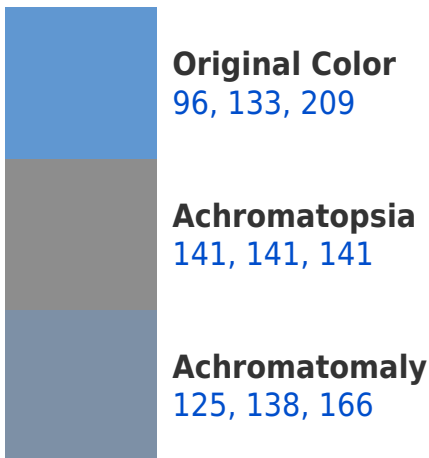


Tritanopia
82, 123, 171

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 133, 209 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(96, 151, 209)` looks like.

```
.text, #text, p{  
    color:rgb(96, 151, 209)  
}
```

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(96, 151, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 151, 209) }
```

Border

The CSS property to change the border of an element to RYB 96, 133, 209 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(96, 151, 209) }
```

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

```
.border{ border-color:rgb(96, 151, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 151, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 151, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 151, 209);  
box-shadow:4px 4px 4px 4px rgb(96, 151,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 96, 133, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 151, 209) }
```

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

```
.background{ background-color: rgb(96, 151,  
209) }
```

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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