

Converting Colors

`RYB(96, 116, 219)`

Have a look what the booklet for
RYB(96, 116, 219) contains.

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Color

R_YB(96, 116, 219)

Conversions

Conversions Part 1

Format	Color
Hex	6078DB
RGB	96, 120, 219
RGB Percent	38%, 47%, 86%
CMY	0.6235, 0.5299, 0.1412
CMYK	0.56, 0.45, 0.00, 0.14
HSL	228°, 63%, 62%
HSV	228°, 56%, 86%
XYZ	24.3125, 21.0062, 69.7910
YIQ	124.1100, -46.0830, 25.7010

Conversions

Conversions Part 2

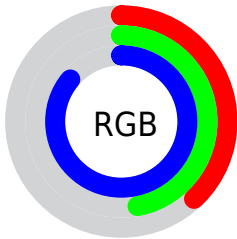
Format	Color
R _Y B	96, 116, 219
Decimal	6322395
CIE Lab	52.96, 20.17, -53.55
CIE LCh	53, 57.224, 290.639
Yxy	21.0062, 0.2112, 0.1825
Android (android.graphics.Color)	4284512475 (0xFF6078DB)
YUV	124.1100, 46.7808, -24.6525
Hunter-Lab	45.8325, 14.4810, -58.2005

Details

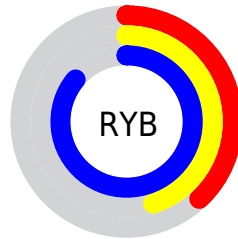
The RYB color **96, 116, 219** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **126, 219, 96**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **155, 170, 255**, and **27, 61, 163** is the 20% darker color. If you saturate the color by 10%, you get **74, 97, 219**, and if you desaturate by 10%, it is **118, 135, 219**.

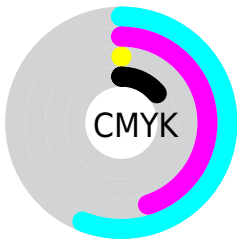
Distribution



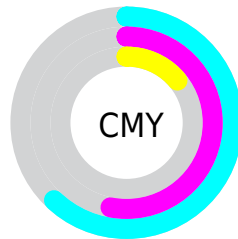
- Red (38%)
- Green (47%)
- Blue (86%)



- Red (38%)
- Yellow (45%)
- Blue (86%)



- Cyan (56%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



















- Cyan (62%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 116, 219 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, 116, 219 by changing the saturation by 10% instead.

 96, 116, 219	 96, 116, 219
 255, 255, 255	 65, 89, 191
 155, 170, 255	 27, 61, 163
 184, 196, 255	 0, 37, 136
 213, 224, 255	 0, 24, 111
 243, 249, 255	 0, 6, 86
	 0, 5, 61
	 0, 3, 39
	 0, 1, 16
	 0, 0, 0

■ 96, 116, 219

■ 96, 116, 219

■ 74, 97, 219

■ 118, 135, 219

■ 52, 80, 219

■ 140, 153, 219

■ 30, 61, 219

■ 162, 171, 219

■ 8, 42, 219

■ 184, 189, 219

■ 0, 36, 219

■ 205, 207, 219

■ 220, 227, 219

■ 227, 249, 219

■ 219, 255, 219

Harmonies

Analogous

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



0, 85, 224



96, 116, 219



170, 98, 189

Triad

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



96, 116, 219



198, 120, 51



0, 86, 149

Complementary

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



96, 116, 219



126, 219, 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.



55, 139, 144



96, 116, 219



78, 164, 14

Square

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



96, 116, 219



214, 81, 95



19, 134, 35



0, 77, 160

Rectangle

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



96, 116, 219



198, 84, 160



19, 134, 35



0, 90, 147

Sweetspot

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



96, 116, 219



212, 219, 255



96, 164, 219



102, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 116, 219



84, 112, 255



133, 96, 219



99, 101, 110



0, 28, 173



0, 8, 46

Inverse Universe

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



219, 96, 120



255, 84, 117



96, 219, 133



110, 99, 101



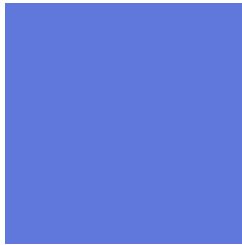
173, 0, 34



46, 0, 9

Previews

White Background



This preview shows how the RYB color 96, 116, 219 looks on a white background.

Color Contrast Check

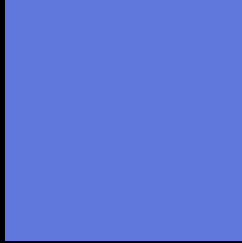
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116, 219 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 96, 116, 219 Background



This preview shows how black text looks on a background with the RYB color 96, 116, 219.

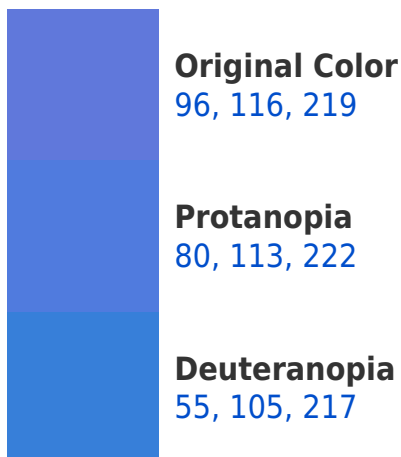


This preview shows how white text looks on a background with the RYB color 96, 116, 219.

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](#).

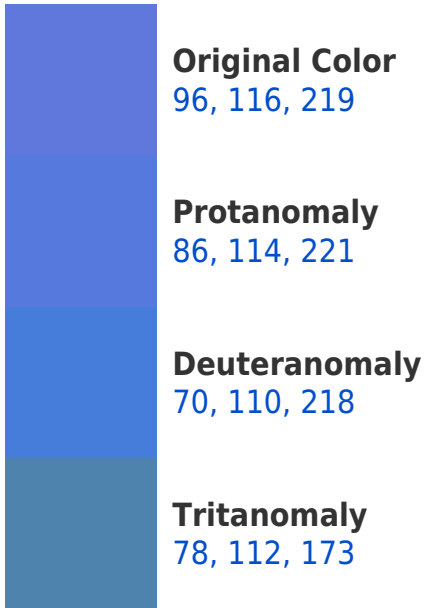
Dichromacy



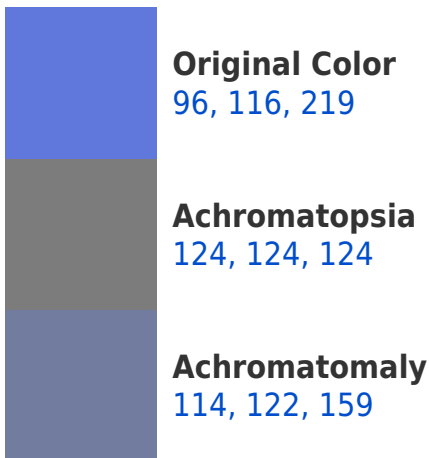


Tritanopia
68, 105, 147

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 116, 219 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, 120, 219)` looks like.

```
.text, #text, p{  
    color:rgb(96, 120, 219)  
}
```

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, 120, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 120, 219) }
```

Border

The CSS property to change the border of an element to RYB 96, 116, 219 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, 120, 219) }
```

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

```
.border{ border-color:rgb(96, 120, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 120, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 120, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 120, 219);  
box-shadow:4px 4px 4px 4px rgb(96, 120,  
219) }
```

Background

The CSS property to change the background color of an element to RYB 96, 116, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 120, 219) }
```

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

```
.background{ background-color: rgb(96, 120,  
219) }
```

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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