

Converting Colors

`RYB(123, 166, 234)`

Have a look what the booklet for
RYB(123, 166, 234) contains.

RYB(123, 166, 234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(123, 166, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	7BC1EA
RGB	123, 193, 234
RGB Percent	48%, 76%, 92%
CMY	0.5176, 0.2424, 0.0824
CMYK	0.47, 0.17, 0.00, 0.08
HSL	202°, 73%, 70%
HSV	202°, 47%, 92%
XYZ	42.1319, 48.3760, 84.9588
YIQ	176.7440, -54.8810, -2.0890

Conversions

Conversions Part 2

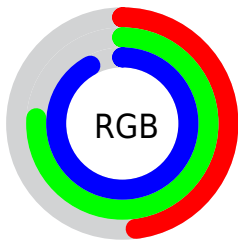
Format	Color
R _Y B	123, 166, 234
Decimal	8110570
CIE Lab	75.06, -11.27, -27.12
CIE LCh	75, 29.371, 247.436
Yxy	48.3760, 0.2401, 0.2757
Android (android.graphics.Color)	4286300650 (0xFF7BC1EA)
YUV	176.7440, 28.2272, -47.1335
Hunter-Lab	69.5528, -13.5904, -23.7358

Details

The RYB color **123, 166, 234** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **234, 188, 123**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **180, 216, 255**, and **64, 110, 178** is the 20% darker color. If you saturate the color by 10%, you get **100, 152, 234**, and if you desaturate by 10%, it is **146, 180, 234**.

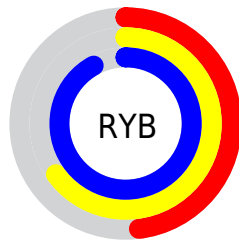
Distribution



Red (48%)

Green (76%)

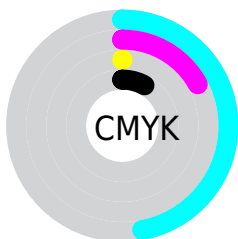
Blue (92%)



Red (48%)

Yellow (65%)

Blue (92%)

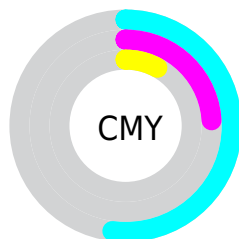


Cyan (47%)

Magenta (17%)

Yellow (0%)

Black (8%)



Cyan (52%)

Magenta (24%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 166, 234 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 123, 166, 234 by changing the saturation by 10% instead.

 123, 166, 234


255, 255, 255


 180, 216, 255

 210, 233, 255

 239, 247, 255

 123, 166, 234

 94, 138, 206


 64, 110, 178

 29, 79, 151

 0, 52, 125

 0, 40, 100

 0, 28, 76

 0, 17, 53

 0, 2, 32

 0, 0, 3

■ 123, 166, 234

■ 123, 166, 234

■ 100, 152, 234

■ 146, 180, 234

■ 76, 137, 234

■ 170, 195, 234

■ 53, 123, 234

■ 193, 209, 234

■ 29, 109, 234

■ 217, 224, 234

■ 6, 94, 234

■ 240, 237, 234

■ 0, 91, 234

■ 253, 255, 234

■ 236, 255, 234

■ 234, 255, 234

Harmonies

Analogous

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



102, 154, 217



123, 166, 234



160, 179, 238

Triad

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



123, 166, 234



239, 165, 179



141, 193, 166

Complementary

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



123, 166, 234



234, 188, 123

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.



147, 198, 131



123, 166, 234



237, 171, 153

Square

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



123, 166, 234



225, 168, 206



222, 211, 136



137, 180, 198

Rectangle

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



123, 166, 234



186, 179, 233



222, 211, 136



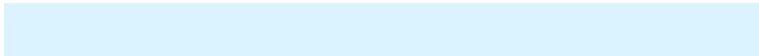
136, 191, 149

Sweetspot

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



123, 166, 234



219, 233, 255



123, 204, 234



106, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 166, 234



110, 166, 255



123, 136, 234



106, 110, 117



0, 70, 181



0, 21, 54

Inverse Universe

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



234, 123, 193



255, 110, 202



140, 234, 123



117, 106, 113



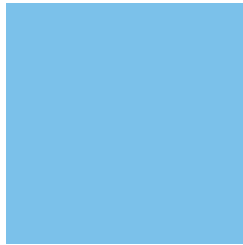
181, 0, 114



54, 0, 34

Previews

White Background



This preview shows how the RYB color 123, 166, 234 looks on a white background.

Color Contrast Check

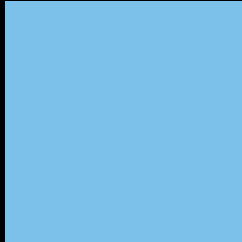
Large Text (above 18pt) WCAG AA × Fail

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 123, 166, 234 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 ✓ Pass

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

RYB 123, 166, 234 Background



This preview shows how black text looks on a background with the RYB color 123, 166, 234.

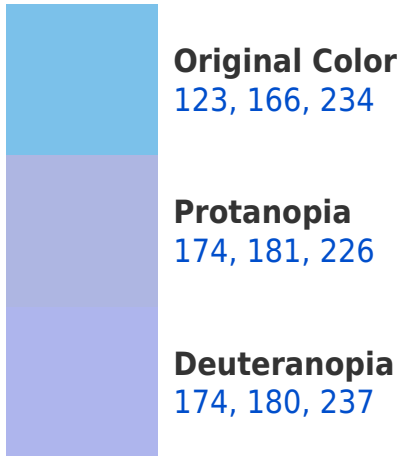


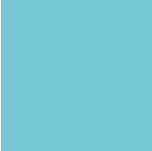
This preview shows how white text looks on a background with the RYB color 123, 166, 234.

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](#).

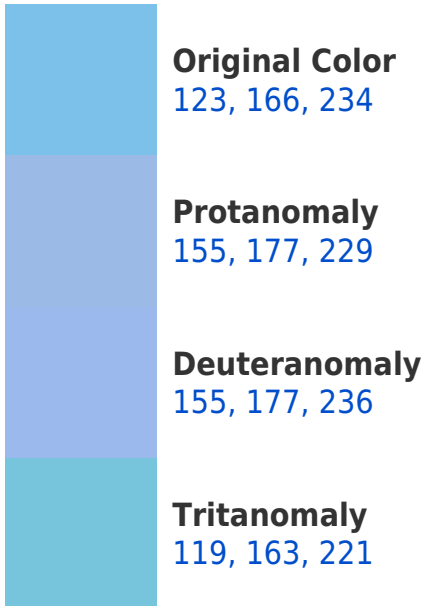
Dichromacy



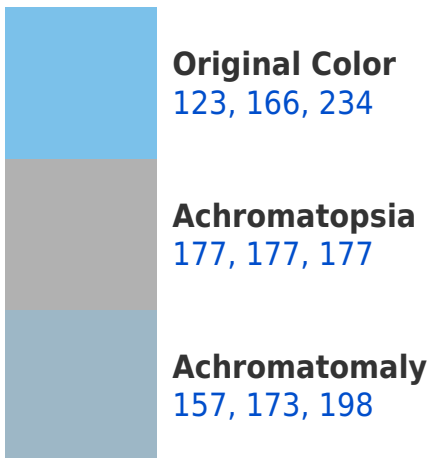


Tritanopia
116, 160, 213

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 166, 234 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(123, 193, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 193, 234)  
}
```

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(123, 193, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 193, 234) }
```

Border

The CSS property to change the border of an element to RYB 123, 166, 234 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(123, 193, 234) }
```

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

```
.border{ border-color:rgb(123, 193, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 193, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 193, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 193, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 193,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 123, 166, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 193, 234) }
```

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

```
.background{ background-color: rgb(123,  
193, 234) }
```

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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