

Converting Colors

`RYB(118, 160, 212)`

Have a look what the booklet for RYB(118, 160, 212) contains.

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Color

R_YB(118, 160, 212)

Conversions

Conversions Part 1

Format	Color
Hex	76C2D4
RGB	118, 194, 212
RGB Percent	46%, 76%, 83%
CMY	0.5373, 0.2395, 0.1686
CMYK	0.44, 0.09, 0.00, 0.17
HSL	192°, 52%, 65%
HSV	192°, 44%, 83%
XYZ	38.6295, 47.1544, 69.3531
YIQ	173.3280, -51.0740, -10.5140

Conversions

Conversions Part 2

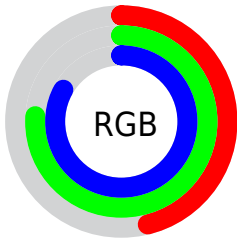
Format	Color
R _Y B	118, 160, 212
Decimal	7783124
CIE Lab	74.29, -18.81, -16.41
CIE LCh	74, 24.962, 221.105
Yxy	47.1544, 0.2490, 0.3040
Android (android.graphics.Color)	4285973204 (0xFF76C2D4)
YUV	173.3280, 19.0653, -48.5227
Hunter-Lab	68.6690, -19.7562, -11.8123

Details

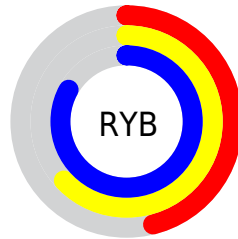
The RYB color **118, 160, 212** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **212, 140, 118**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **175, 214, 255**, and **61, 104, 157** is the 20% darker color. If you saturate the color by 10%, you get **97, 148, 212**, and if you desaturate by 10%, it is **139, 172, 212**.

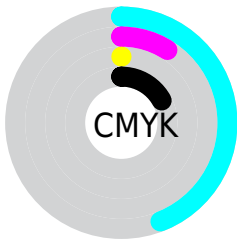
Distribution



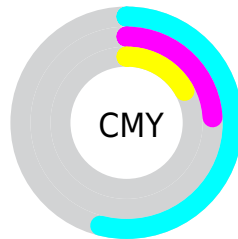
- Red (46%)
- Green (76%)
- Blue (83%)



- Red (46%)
- Yellow (63%)
- Blue (83%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (54%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 160, 212 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 118, 160, 212 by changing the saturation by 10% instead.

 118, 160, 212


255, 255, 255


 174, 213, 255

 203, 229, 255

 233, 244, 255

 118, 160, 212

 90, 132, 184


 61, 104, 157

 27, 75, 131

 0, 49, 106

 0, 37, 82

 0, 25, 59

 0, 15, 37

 0, 1, 15

 0, 0, 0

■ 118, 160, 212

■ 118, 160, 212

■ 97, 148, 212

■ 139, 172, 212

■ 76, 137, 212

■ 160, 183, 212

■ 54, 125, 212

■ 182, 195, 212

■ 33, 113, 212

■ 203, 207, 212

■ 12, 102, 212

■ 224, 214, 212

■ 0, 95, 212

■ 245, 219, 212

■ 255, 225, 212

■ 255, 235, 212

■ 255, 246, 212

Harmonies

Analogous

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



121, 160, 196



118, 160, 212



136, 169, 225

Triad

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



118, 160, 212



219, 168, 198



146, 191, 138

Complementary

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



118, 160, 212



212, 140, 118

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.



213, 211, 140



118, 160, 212



229, 166, 175

Square

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



118, 160, 212



197, 174, 217



227, 174, 154



148, 190, 173

Rectangle

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



118, 160, 212



156, 176, 228



227, 174, 154



162, 199, 137

Sweetspot

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



118, 160, 212



222, 237, 255



118, 198, 212



107, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 160, 212



120, 180, 255



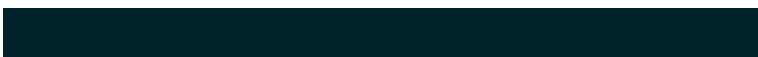
118, 141, 212



96, 101, 107



0, 76, 171



0, 19, 43

Inverse Universe

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



212, 118, 194



255, 120, 229



162, 212, 118



107, 96, 105



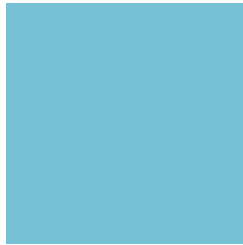
171, 0, 138



43, 0, 35

Previews

White Background



This preview shows how the RYB color 118, 160, 212 looks on a white background.

Color Contrast Check

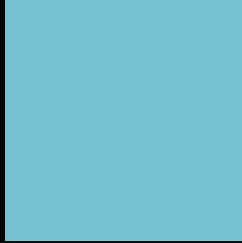
Large Text (above 18pt) WCAG AA × Fail

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 118, 160, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

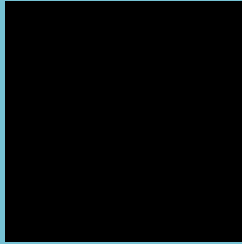
Any Text WCAG AA ✓ Pass

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 118, 160, 212 Background



This preview shows how black text looks on a background with the RYB color 118, 160, 212.

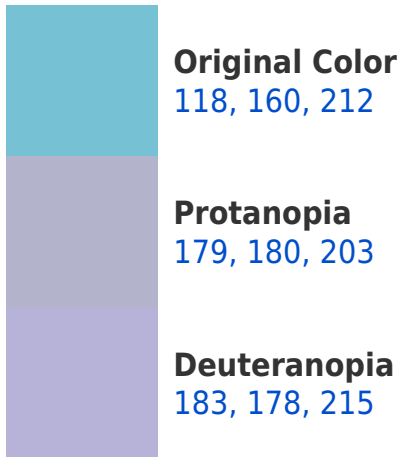


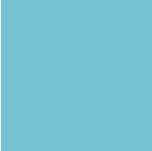
This preview shows how white text looks on a background with the RYB color 118, 160, 212.

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
117, 159, 210

Trichromacy



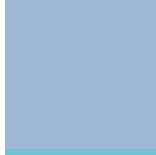
Original Color

118, 160, 212



Protanomaly

157, 175, 206



Deuteranomaly

159, 176, 214



Tritanomaly

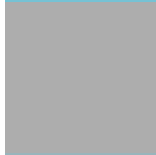
117, 159, 211

Monochromacy



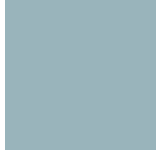
Original Color

118, 160, 212



Achromatopsia

173, 173, 173



Achromatomaly

153, 168, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 160, 212 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(118, 194, 212)` looks like.

```
.text, #text, p{  
    color:rgb(118, 194, 212)  
}
```

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(118, 194, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 194, 212) }
```

Border

The CSS property to change the border of an element to RYB 118, 160, 212 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(118, 194, 212) }
```

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

```
.border{ border-color:rgb(118, 194, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 194, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 194, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 194, 212); box-shadow:4px 4px 4px 4px rgb(118, 194, 212) }
```

Background

The CSS property to change the background color of an element to RYB 118, 160, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 194, 212) }
```

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

```
.background{ background-color: rgb(118,  
194, 212) }
```

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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