

Converting Colors

`RYB(118, 171, 224)`

Have a look what the booklet for
RYB(118, 171, 224) contains.

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Color

R_YB(118, 171, 224)

Conversions

Conversions Part 1

Format	Color
Hex	76E0E0
RGB	118, 224, 224
RGB Percent	46%, 88%, 88%
CMY	0.5373, 0.1216, 0.1216
CMYK	0.47, 0.00, 0.00, 0.12
HSL	180°, 63%, 67%
HSV	180°, 47%, 88%
XYZ	47.5814, 62.5447, 80.0855
YIQ	192.3060, -63.1760, -22.4720

Conversions

Conversions Part 2

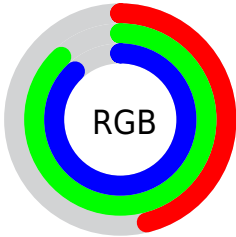
Format	Color
RYB	118, 171, 224
Decimal	7790816
CIELab	83.20, -30.58, -9.50
CIELCh	83, 32.025, 197.250
Yxy	62.5447, 0.2501, 0.3288
Android (android.graphics.Color)	4285980896 (0xFF76E0E0)
YUV	192.3060, 15.6251, -65.1664
Hunter-Lab	79.0852, -31.0050, -4.6803

Details

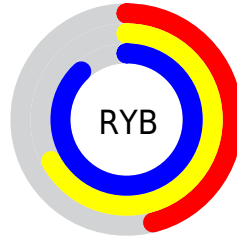
The RYB color **118, 171, 224** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **224, 118, 118**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **177, 216, 255**, and **56, 112, 169** is the 20% darker color. If you saturate the color by 10%, you get **96, 160, 224**, and if you desaturate by 10%, it is **140, 182, 224**.

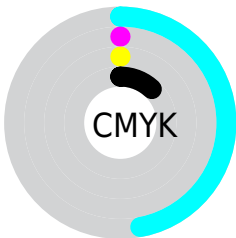
Distribution



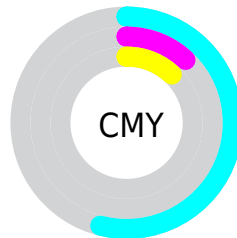
- Red (46%)
- Green (88%)
- Blue (88%)



- Red (46%)
- Yellow (67%)
- Blue (88%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (54%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 171, 224 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, 171, 224 by changing the saturation by 10% instead.

 118, 171, 224


255, 255, 255


 177, 216, 255

 206, 231, 255

 236, 246, 255

 118, 171, 224

 88, 142, 196

 56, 112, 169


 4, 73, 142

 0, 58, 117


 0, 46, 92

 0, 34, 69


 0, 23, 47


 0, 11, 26


 0, 0, 0

 118, 171, 224


 118, 171, 224

 96, 160, 224


 140, 182, 224

 73, 149, 224

 163, 194, 224

 51, 138, 224


 185, 205, 224

 28, 126, 224

 208, 216, 224

 6, 115, 224

 230, 224, 224

 0, 112, 224

 252, 224, 224

 255, 224, 224

Harmonies

Analogous

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



143, 192, 223



118, 171, 224



119, 176, 250

Triad

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



118, 171, 224



233, 194, 248



220, 241, 149

Complementary

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



118, 171, 224



224, 118, 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.



255, 202, 164



118, 171, 224



255, 186, 221

Square

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



118, 171, 224



194, 203, 255



255, 186, 191



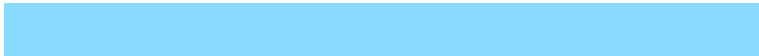
149, 211, 149

Rectangle

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



118, 171, 224



138, 185, 255



255, 186, 191



249, 239, 152

Sweetspot

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



118, 171, 224



219, 237, 255



118, 224, 224



106, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 171, 224



110, 183, 255



118, 153, 224



101, 107, 112



0, 88, 176



0, 24, 48

Inverse Universe

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



224, 118, 224



255, 110, 255



224, 224, 118



112, 101, 112



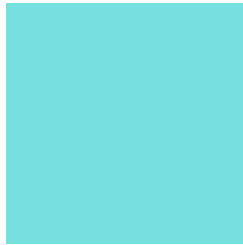
176, 0, 176



48, 0, 48

Previews

White Background



This preview shows how the RYB color 118, 171, 224 looks on a white background.

Color Contrast Check

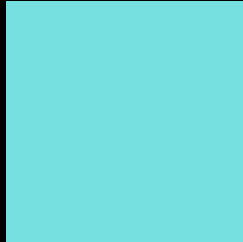
Large Text (above 18pt) WCAG AA × Fail

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, 171, 224 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](#).

R Y B 118, 171, 224 Background



This preview shows how black text looks on a background with the RYB color 118, 171, 224.

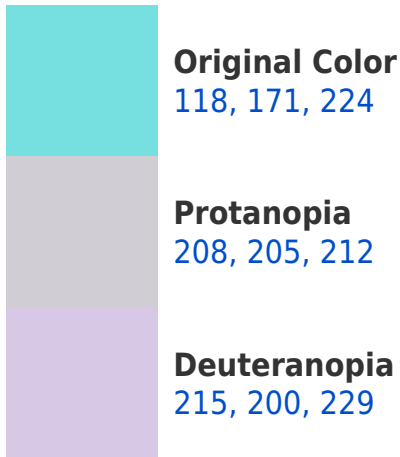


This preview shows how white text looks on a background with the RYB color 118, 171, 224.

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
123, 177, 240

Trichromacy



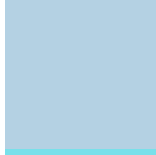
Original Color

118, 171, 224



Protanomaly

175, 194, 216



Deuteranomaly

180, 198, 227



Tritanomaly

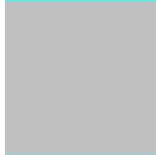
121, 175, 234

Monochromacy



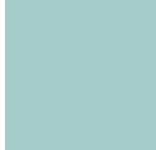
Original Color

118, 171, 224



Achromatopsia

192, 192, 192



Achromatomaly

165, 185, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 171, 224 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, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(118, 224, 224)  
}
```

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, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 224, 224) }
```

Border

The CSS property to change the border of an element to RYB 118, 171, 224 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, 224, 224) }
```

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

```
.border{ border-color:rgb(118, 224, 224) }
```

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

Here you see how a box with a 4 pixel rgb(118, 224, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(118, 224,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 118, 171, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 224, 224) }
```

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

```
.background{ background-color: rgb(118,  
224, 224) }
```

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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