

Converting Colors

`RYB(73, 158, 222)`

Have a look what the booklet for
RYB(73, 158, 222) contains.

RYB(73, 158, 222)	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(73, 158, 222)`

Conversions

Conversions Part 1

Format	Color
Hex	49DEB9
RGB	73, 222, 185
RGB Percent	29%, 87%, 73%
CMY	0.7137, 0.1294, 0.2738
CMYK	0.67, 0.00, 0.17, 0.13
HSL	165°, 69%, 58%
HSV	165°, 67%, 87%
XYZ	37.6458, 57.1698, 55.0539
YIQ	173.2310, -76.9270, -43.0950

Conversions

Conversions Part 2

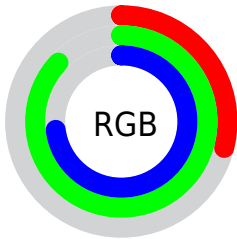
Format	Color
RYB	73, 158, 222
Decimal	4841145
CIELab	80.27, -47.78, 6.66
CIELCh	80, 48.246, 172.067
Yxy	57.1698, 0.2512, 0.3815
Android (android.graphics.Color)	4283031225 (0xFF49DEB9)
YUV	173.2310, 5.8021, -87.9026
Hunter-Lab	75.6107, -43.4454, 9.7570

Details

The RYB color **73, 158, 222** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **222, 73, 110**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **138, 200, 255**, and **0, 92, 166** is the 20% darker color. If you saturate the color by 10%, you get **51, 148, 222**, and if you desaturate by 10%, it is **95, 167, 222**.

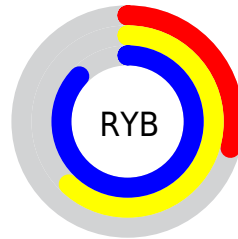
Distribution



Red (29%)

Green (87%)

Blue (73%)



Red (29%)

Yellow (62%)

Blue (87%)

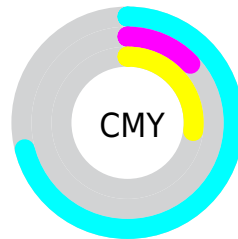


Cyan (67%)

Magenta (0%)

Yellow (17%)

Black (13%)



Cyan (71%)

















Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 158, 222 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 73, 158, 222 by changing the saturation by 10% instead.

 73, 158, 222	 73, 158, 222
 255, 255, 255	 28, 121, 194
 138, 200, 255	 0, 92, 166
 169, 212, 255	 0, 79, 139
 199, 227, 255	 0, 65, 113
 230, 243, 255	 0, 51, 87
	 0, 38, 62
	 0, 29, 41
	 0, 2, 2
	 0, 0, 0

■ 73, 158, 222

■ 73, 158, 222

■ 51, 148, 222

■ 95, 167, 222

■ 29, 139, 222

■ 117, 177, 222

■ 6, 129, 222

■ 140, 187, 222

■ 0, 127, 222

■ 162, 196, 222

■ 184, 206, 222

■ 206, 215, 222

■ 228, 222, 224

■ 251, 222, 229

■ 255, 222, 235

Harmonies

Analogous

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



142, 217, 217



73, 158, 222



0, 113, 231

Triad

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



73, 158, 222



186, 192, 255



255, 203, 130

Complementary

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



73, 158, 222



222, 73, 110

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, 165, 168



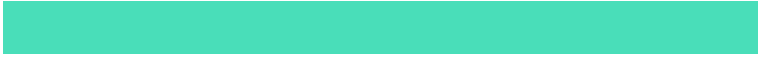
73, 158, 222



244, 175, 255

Square

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



73, 158, 222



103, 165, 255



255, 164, 213



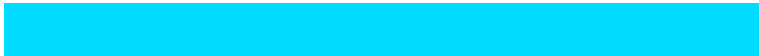
180, 238, 109

Rectangle

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



73, 158, 222



0, 118, 255



255, 164, 213



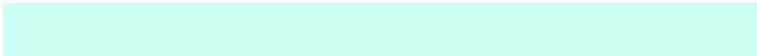
255, 184, 141

Sweetspot

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



73, 158, 222



204, 233, 255



73, 222, 185



97, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 158, 222



48, 166, 255



73, 137, 222



101, 107, 112



0, 101, 176



0, 27, 48

Inverse Universe

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



222, 73, 110



255, 48, 99



222, 122, 73



112, 101, 104



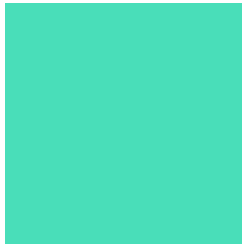
176, 0, 43



48, 0, 12

Previews

White Background



This preview shows how the RYB color 73, 158, 222 looks on a white background.

Color Contrast Check

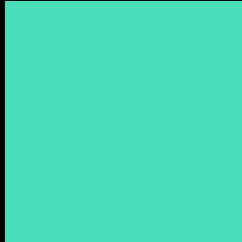
Large Text (above 18pt) WCAG AA × Fail

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 73, 158, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

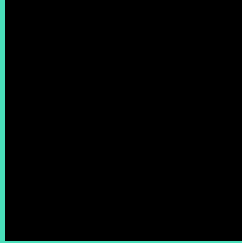
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

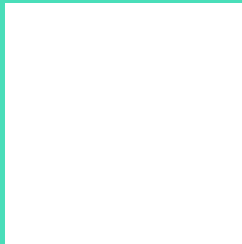
Any Text WCAG AAA ✓ Pass

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

RYB 73, 158, 222 Background



This preview shows how black text looks on a background with the RYB color 73, 158, 222.

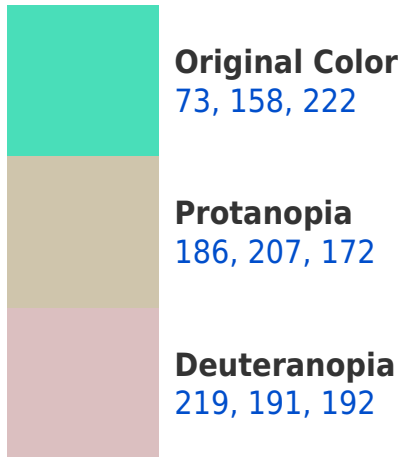


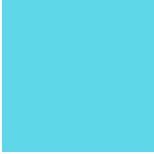
This preview shows how white text looks on a background with the RYB color 73, 158, 222.

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
94, 159, 233

Trichromacy



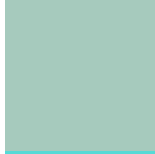
Original Color

73, 158, 222



Protanomaly

158, 192, 206



Deuteranomaly

166, 188, 202



Tritanomaly

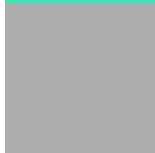
86, 153, 218

Monochromacy



Original Color

73, 158, 222



Achromatopsia

173, 173, 173



Achromatomaly

137, 168, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 158, 222 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(73, 222, 185)` looks like.

```
.text, #text, p{  
    color:rgb(73, 222, 185)  
}
```

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(73, 222, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 222, 185) }
```

Border

The CSS property to change the border of an element to RYB 73, 158, 222 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(73, 222, 185) }
```

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

```
.border{ border-color:rgb(73, 222, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 222, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 222, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 222, 185); box-shadow:4px 4px 4px 4px rgb(73, 222, 185) }
```

Background

The CSS property to change the background color of an element to RGB 73, 158, 222 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 222, 185) }
```

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

```
.background{ background-color: rgb(73, 222,  
185) }
```

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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