

Converting Colors

`RYB(75, 158, 199)`

Have a look what the booklet for
RYB(75, 158, 199) contains.

RYB(75, 158, 199)	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

R_YB(75, 158, 199)

Conversions

Conversions Part 1

Format	Color
Hex	4BC788
RGB	75, 199, 136
RGB Percent	29%, 78%, 53%
CMY	0.7059, 0.2196, 0.4657
CMYK	0.62, 0.00, 0.32, 0.22
HSL	150°, 53%, 54%
HSV	150°, 62%, 78%
XYZ	27.7870, 44.1275, 30.4399
YIQ	154.7420, -53.6810, -45.8810

Conversions

Conversions Part 2

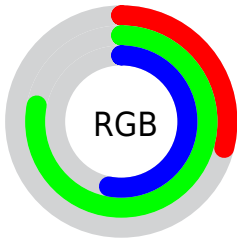
Format	Color
RYB	75, 158, 199
Decimal	4966280
CIELab	72.31, -48.82, 21.49
CIElCh	72, 53.336, 156.239
Yxy	44.1275, 0.2715, 0.4311
Android (android.graphics.Color)	4283156360 (0xFF4BC788)
YUV	154.7420, -9.2398, -69.9337
Hunter-Lab	66.4285, -41.5834, 19.3312

Details

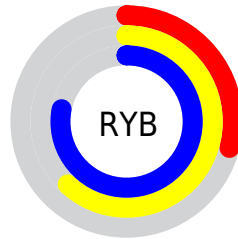
The RYB color **75, 158, 199** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **199, 75, 138**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **135, 217, 255**, and **0, 90, 144** is the 20% darker color. If you saturate the color by 10%, you get **55, 151, 199**, and if you desaturate by 10%, it is **95, 165, 199**.

Distribution



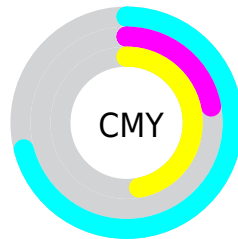
- Red (29%)
- Green (78%)
- Blue (53%)



- Red (29%)
- Yellow (62%)
- Blue (78%)



- Cyan (62%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)




- Cyan (71%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 158, 199 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 75, 158, 199 by changing the saturation by 10% instead.

 75, 158, 199

255, 255, 255


 135, 217, 255


 164, 221, 255


 194, 227, 255

 224, 240, 255

254, 255, 255

 75, 158, 199

 75, 158, 199

 40, 125, 171


 0, 90, 144

 0, 77, 118


 0, 64, 92

 0, 53, 67

 0, 45, 45

 0, 15, 15

 0, 0, 0

 75, 158, 199

■ 55, 151, 199

■ 95, 165, 199

■ 35, 145, 199

■ 115, 171, 199

■ 15, 138, 199

■ 135, 178, 199

■ 0, 133, 199

■ 155, 184, 199

■ 175, 191, 199

■ 194, 197, 199

■ 214, 199, 207

■ 234, 199, 217

■ 254, 199, 227

Harmonies

Analogous

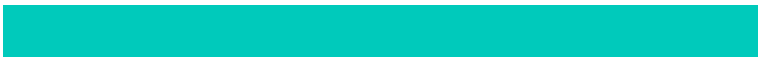
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95, 191, 141



75, 158, 199



0, 105, 202

Triad

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



75, 158, 199



110, 157, 255



255, 148, 122

Complementary

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



75, 158, 199



199, 75, 138

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, 136, 169



75, 158, 199



194, 160, 255

Square

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



75, 158, 199



0, 110, 255



246, 143, 218



237, 231, 88

Rectangle

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



75, 158, 199



0, 105, 219



246, 143, 218



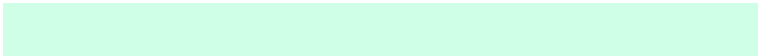
255, 139, 137

Sweetspot

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



75, 158, 199



207, 239, 255



75, 199, 135



98, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 158, 199



64, 192, 255



75, 138, 199



90, 96, 99



0, 109, 163



0, 24, 36

Inverse Universe

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



199, 75, 138



255, 64, 161



199, 75, 77



99, 90, 95



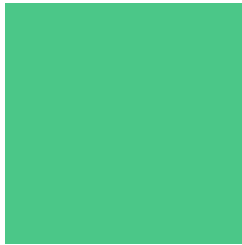
163, 0, 83



36, 0, 18

Previews

White Background



This preview shows how the RYB color 75, 158, 199 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 75, 158, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

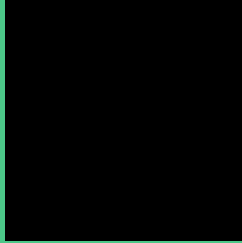
Any Text WCAG AA ✓ Pass

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 75, 158, 199 Background



This preview shows how black text looks on a background with the RYB color 75, 158, 199.

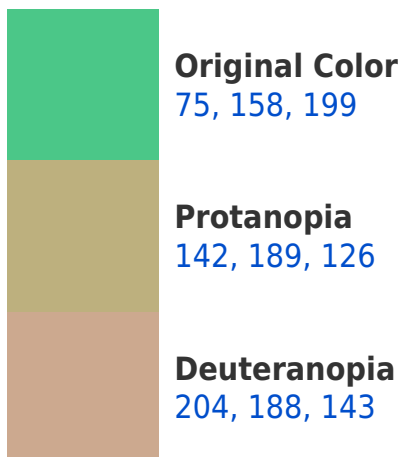


This preview shows how white text looks on a background with the RYB color 75, 158, 199.

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
98, 148, 206

Trichromacy



Original Color

75, 158, 199



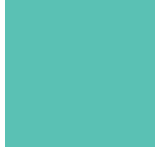
Protanomaly

130, 184, 166



Deuteranomaly

141, 180, 164



Tritanomaly

90, 145, 193

Monochromacy



Original Color

75, 158, 199



Achromatopsia

155, 155, 155



Achromatomaly

126, 156, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 158, 199 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(75, 199, 136)` looks like.

```
.text, #text, p{  
    color:rgb(75, 199, 136)  
}
```

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(75, 199, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 199, 136) }
```

Border

The CSS property to change the border of an element to RYB 75, 158, 199 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(75, 199, 136) }
```

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

```
.border{ border-color:rgb(75, 199, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 199, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 199, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 199, 136);  
box-shadow:4px 4px 4px 4px rgb(75, 199,  
136) }
```

Background

The CSS property to change the background color of an element to RGB 75, 199, 136 is called "background".

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

```
.background, #background, body{  
background: rgb(75, 199, 136) }
```

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

```
.background{ background-color: rgb(75, 199,  
136) }
```

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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