

Converting Colors

`RYB(75, 199, 204)`

Have a look what the booklet for
RYB(75, 199, 204) contains.

RYB(75, 199, 204)	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(75, 199, 204)

Conversions

Conversions Part 1

Format	Color
Hex	4BCC50
RGB	75, 204, 80
RGB Percent	29%, 80%, 31%
CMY	0.7059, 0.2000, 0.6855
CMYK	0.63, 0.00, 0.61, 0.20
HSL	122°, 56%, 55%
HSV	122°, 63%, 80%
XYZ	25.9499, 45.2638, 14.9976
YIQ	151.2930, -37.0800, -65.9120

Conversions

Conversions Part 2

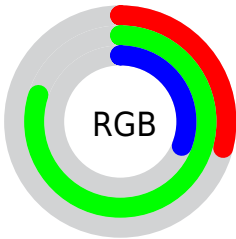
Format	Color
RYB	75, 199, 204
Decimal	4967504
CIELab	73.07, -59.54, 50.27
CIELCh	73, 77.922, 139.822
Yxy	45.2638, 0.3010, 0.5250
Android (android.graphics.Color)	4283157584 (0xFF4BCC50)
YUV	151.2930, -35.1474, -66.9090
Hunter-Lab	67.2783, -48.8878, 33.8780

Details

The RYB color **75, 199, 204** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **204, 75, 199**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **133, 255, 251**, and **0, 127, 148** is the 20% darker color. If you saturate the color by 10%, you get **55, 198, 204**, and if you desaturate by 10%, it is **95, 199, 204**.

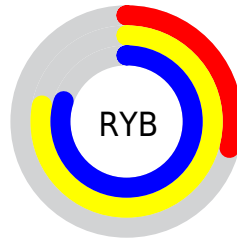
Distribution



Red (29%)

Green (80%)

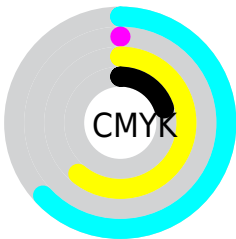
Blue (31%)



Red (29%)

Yellow (78%)

Blue (80%)

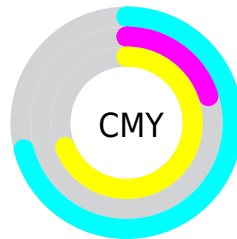


Cyan (63%)

Magenta (0%)

Yellow (61%)

Black (20%)



Cyan (71%)

Magenta (20%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 199, 204 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, 199, 204 by changing the saturation by 10% instead.



75, 199, 204



75, 199, 204

255, 255, 255



37, 161, 176



133, 255, 251



0, 127, 148



161, 255, 249



0, 122, 122



189, 255, 247



0, 96, 96



217, 255, 245



0, 71, 71



246, 255, 246



0, 48, 48



0, 19, 19




0, 0, 0





75, 199, 204




75, 199, 204

 55, 198, 204

 95, 199, 204

 34, 197, 204

 116, 201, 204

 14, 197, 204

 136, 201, 204

 0, 196, 204

 157, 202, 204

 177, 203, 204

 197, 203, 204

 218, 204, 217

 238, 204, 237

 255, 204, 255

Harmonies

Analogous

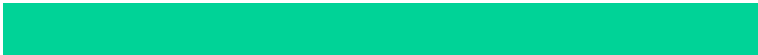
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



5, 190, 26



75, 199, 204



0, 123, 211

Triad

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



75, 199, 204



0, 111, 255



255, 110, 135

Complementary

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



75, 199, 204



204, 75, 199

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, 110, 207



75, 199, 204



128, 160, 255

Square

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



75, 199, 204



0, 115, 255



241, 138, 255



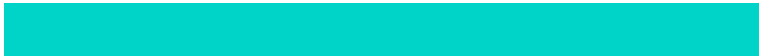
255, 175, 70

Rectangle

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



75, 199, 204



0, 109, 212



241, 138, 255



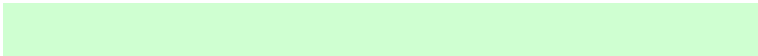
255, 106, 159

Sweetspot

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



75, 199, 204



207, 253, 255



75, 204, 79



98, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 199, 204



61, 247, 255



75, 159, 204



92, 102, 102



0, 159, 166



0, 36, 38

Inverse Universe

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



204, 75, 199



255, 61, 247



204, 75, 135



102, 92, 102



166, 0, 159



38, 0, 37

Previews

White Background



This preview shows how the RYB color 75, 199, 204 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, 199, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

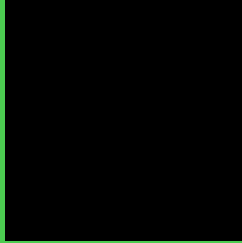
Any Text WCAG AA ✓ Pass

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, 199, 204 Background



This preview shows how black text looks on a background with the RYB color 75, 199, 204.



This preview shows how white text looks on a background with the RYB color 75, 199, 204.

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



Original Color

75, 199, 204

Protanopia

97, 198, 73

Deuteranopia

172, 219, 90



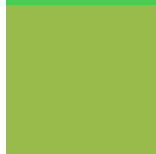
Tritanopia
107, 153, 207

Trichromacy



Original Color

75, 199, 204



Protanomaly

76, 187, 110



Deuteranomaly

86, 182, 101



Tritanomaly

95, 156, 196

Monochromacy



Original Color

75, 199, 204



Achromatopsia

151, 151, 151



Achromatomaly

123, 168, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 199, 204 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, 204, 80)` looks like.

```
.text, #text, p{  
    color:rgb(75, 204, 80)  
}
```

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, 204, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 204, 80) }
```

Border

The CSS property to change the border of an element to RYB 75, 199, 204 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, 204, 80) }
```

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

```
.border{ border-color:rgb(75, 204, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 204, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 204, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 204, 80);  
box-shadow:4px 4px 4px 4px rgb(75, 204,  
80) }
```

Background

The CSS property to change the background color of an element to RGB 75, 199, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 204, 80) }
```

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

```
.background{ background-color: rgb(75, 204,  
80) }
```

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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