

Converting Colors

`RYB(76, 138, 195)`

Have a look what the booklet for
RYB(76, 138, 195) contains.

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Color

RYB(76, 138, 195)

Conversions

Conversions Part 1

Format	Color
Hex	4CC3B9
RGB	76, 195, 185
RGB Percent	30%, 76%, 73%
CMY	0.7020, 0.2353, 0.2729
CMYK	0.61, 0.00, 0.05, 0.24
HSL	175°, 50%, 53%
HSV	175°, 61%, 76%
XYZ	31.2952, 44.0866, 52.9826
YIQ	158.2790, -67.7140, -28.3380

Conversions

Conversions Part 2

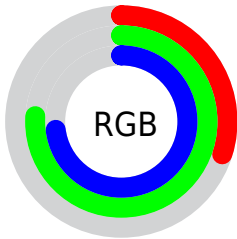
Format	Color
RYB	76, 138, 195
Decimal	5030841
CIELab	72.29, -35.28, -5.09
CIELCh	72, 35.647, 188.212
Yxy	44.0866, 0.2438, 0.3434
Android (android.graphics.Color)	4283220921 (0xFF4CC3B9)
YUV	158.2790, 13.1735, -72.1587
Hunter-Lab	66.3977, -32.0637, -0.8325

Details

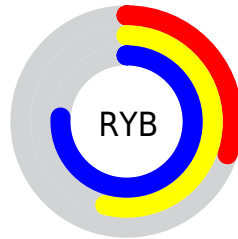
The RYB color **76, 138, 195** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **195, 76, 86**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **137, 197, 252**, and **0, 73, 141** is the 20% darker color. If you saturate the color by 10%, you get **57, 129, 195**, and if you desaturate by 10%, it is **96, 148, 195**.

Distribution



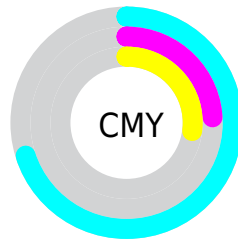
- Red (30%)
- Green (76%)
- Blue (73%)



- Red (30%)
- Yellow (54%)
- Blue (76%)



- Cyan (61%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)




- Cyan (70%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 138, 195 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 76, 138, 195 by changing the saturation by 10% instead.

 76, 138, 195


255, 255, 255


 137, 197, 252

 167, 211, 255

 196, 226, 255

 226, 241, 255

 76, 138, 195

 40, 106, 167

 0, 73, 141

 0, 60, 115


 0, 47, 90


 0, 34, 65

 0, 23, 43

 0, 8, 18

 0, 0, 0

 76, 138, 195

 76, 138, 195

■ 57, 129, 195

■ 96, 148, 195

■ 37, 119, 195

■ 115, 157, 195

■ 18, 110, 195

■ 134, 166, 195

■ 0, 102, 195

■ 154, 175, 195

■ 174, 185, 195

■ 193, 194, 195

■ 213, 195, 196

■ 232, 195, 198

■ 252, 195, 200

Harmonies

Analogous

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



116, 168, 193



76, 138, 195



58, 131, 216

Triad

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



76, 138, 195



193, 166, 229



220, 214, 117

Complementary

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



76, 138, 195



195, 76, 86

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.



238, 161, 139



76, 138, 195



226, 156, 202

Square

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



76, 138, 195



146, 169, 241



241, 152, 169



126, 190, 112

Rectangle

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



76, 138, 195



78, 143, 232



241, 152, 169



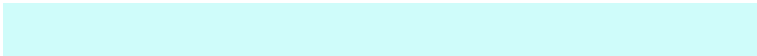
227, 188, 123

Sweetspot

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



76, 138, 195



207, 230, 252



76, 195, 185



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 138, 195



68, 164, 252



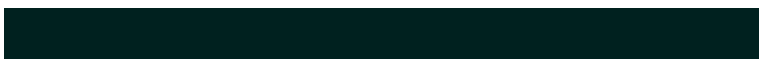
76, 120, 195



87, 92, 97



0, 84, 161



0, 17, 33

Inverse Universe

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



195, 76, 86



252, 68, 83



195, 162, 76



97, 87, 88



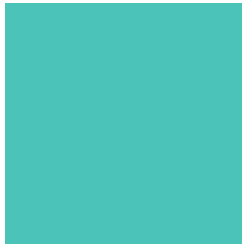
161, 0, 13



33, 0, 3

Previews

White Background



This preview shows how the RYB color 76, 138, 195 looks on a white background.

Color Contrast Check

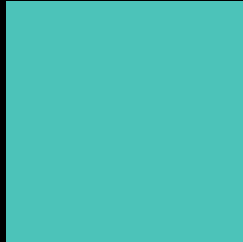
Large Text (above 18pt) WCAG AA × Fail

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 76, 138, 195 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

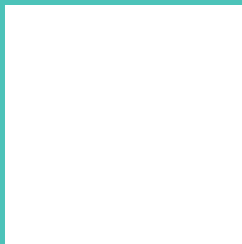
Any Text WCAG AAA ✓ Pass

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

R_YB 76, 138, 195 Background



This preview shows how black text looks on a background with the R_YB color 76, 138, 195.

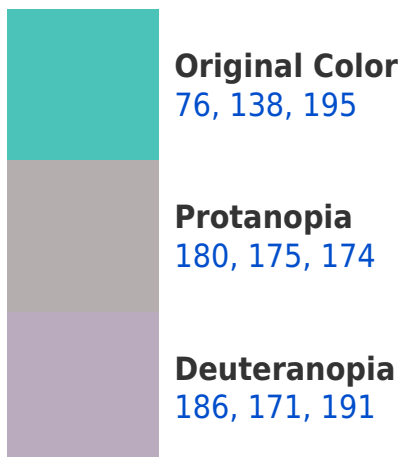


This preview shows how white text looks on a background with the R_YB color 76, 138, 195.

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
85, 142, 207

Trichromacy



Original Color

76, 138, 195



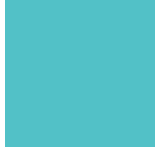
Protanomaly

142, 163, 182



Deuteranomaly

146, 165, 189



Tritanomaly

82, 139, 199

Monochromacy



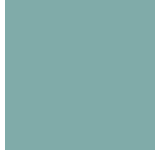
Original Color

76, 138, 195



Achromatopsia

158, 158, 158



Achromatomaly

128, 150, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 138, 195 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(76, 195, 185)` looks like.

```
.text, #text, p{  
    color:rgb(76, 195, 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(76, 195, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 195, 185) }
```

Border

The CSS property to change the border of an element to RYB 76, 138, 195 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(76, 195, 185) }
```

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

```
.border{ border-color:rgb(76, 195, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 195, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 195, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 195, 185);  
box-shadow:4px 4px 4px 4px rgb(76, 195,  
185) }
```

Background

The CSS property to change the background color of an element to RGB 76, 138, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 195, 185) }
```

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

```
.background{ background-color: rgb(76, 195,  
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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