

Converting Colors

`RYB(80, 135, 195)`

Have a look what the booklet for
RYB(80, 135, 195) contains.

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Color

$\text{RYB}(80, 135, 195)$

Conversions

Conversions Part 1

Format	Color
Hex	50B9C3
RGB	80, 185, 195
RGB Percent	31%, 73%, 76%
CMY	0.6863, 0.2729, 0.2353
CMYK	0.59, 0.05, 0.00, 0.24
HSL	185°, 49%, 54%
HSV	185°, 59%, 76%
XYZ	30.5949, 40.5181, 57.8380
YIQ	154.7450, -65.7900, -19.1500

Conversions

Conversions Part 2

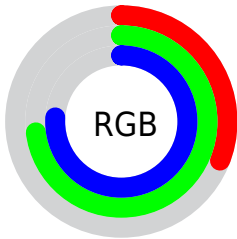
Format	Color
RYB	80, 135, 195
Decimal	5290435
CIELab	69.84, -27.32, -13.98
CIELCh	70, 30.688, 207.100
Yxy	40.5181, 0.2373, 0.3142
Android (android.graphics.Color)	4283480515 (0xFF50B9C3)
YUV	154.7450, 19.8457, -65.5514
Hunter-Lab	63.6538, -25.5992, -9.3152




Details

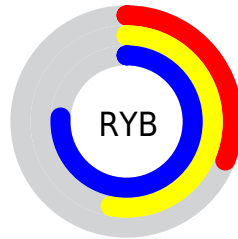
The RYB color **80, 135, 195** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **195, 91, 80**, and the grayscale version is **155, 155, 155**.




A 20% lighter version of the original color is **140, 193, 252**, and **0, 68, 141** is the 20% darker color. If you saturate the color by 10%, you get **61, 125, 195**, and if you desaturate by 10%, it is **99, 145, 195**.

Distribution







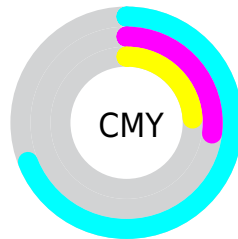
-  Red (31%)
-  Green (73%)
-  Blue (76%)






-  Red (31%)
-  Yellow (53%)
-  Blue (76%)



-  Cyan (59%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (24%)




-  Cyan (69%)
-  Magenta (27%)
-  Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the RYB color 80, 135, 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 80, 135, 195 by changing the saturation by 10% instead.

 80, 135, 195


255, 255, 255


 140, 193, 252

 169, 212, 255


 199, 227, 255

 228, 242, 255

 80, 135, 195

 46, 104, 168


 0, 68, 141

 0, 55, 116


 0, 43, 91


 0, 31, 68

 0, 21, 46

 0, 1, 26

 0, 0, 0

 80, 135, 195

 80, 135, 195

61, 125, 195

99, 145, 195

41, 115, 195

119, 155, 195

21, 104, 195

138, 165, 195

2, 94, 195

158, 176, 195

0, 93, 195

178, 186, 195

197, 195, 195

217, 197, 195

236, 198, 195

255, 200, 195

Harmonies

Analogous

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



100, 148, 186



80, 135, 195



92, 144, 217

Triad

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



80, 135, 195



204, 155, 201



152, 193, 115

Complementary

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



80, 135, 195



195, 91, 80

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.



215, 180, 125



80, 135, 195



223, 150, 174

Square

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



80, 135, 195



171, 164, 220



226, 151, 147



120, 177, 133

Rectangle

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



80, 135, 195



116, 155, 224



226, 151, 147



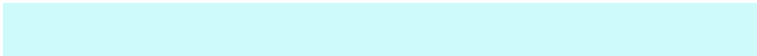
180, 201, 117

Sweetspot

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



80, 135, 195



207, 229, 252



80, 186, 195



99, 113, 128



0, 0, 0



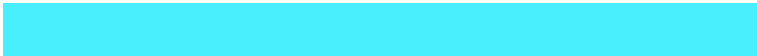
128, 128, 128

Same Dimension

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



80, 135, 195



73, 159, 252



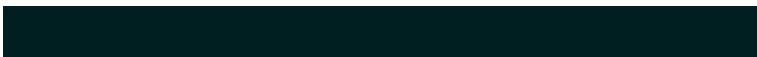
80, 115, 195



87, 92, 97



0, 77, 161



0, 16, 33

Inverse Universe

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



195, 80, 185



252, 73, 238



162, 195, 80



97, 87, 96



161, 0, 147



33, 0, 30

Previews

White Background



This preview shows how the RYB color 80, 135, 195 looks on a white background.

Color Contrast Check

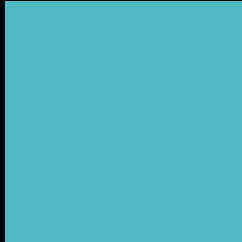
Large Text (above 18pt) WCAG AA × Fail

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 80, 135, 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](#).

RYB 80, 135, 195 Background



This preview shows how black text looks on a background with the RYB color 80, 135, 195.

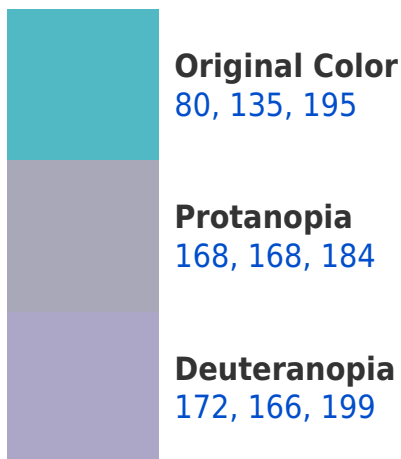


This preview shows how white text looks on a background with the RYB color 80, 135, 195.

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
82, 137, 200

Trichromacy



Original Color

80, 135, 195



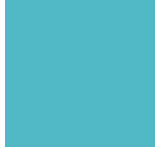
Protanomaly

136, 158, 188



Deuteranomaly

139, 161, 198



Tritanomaly

81, 136, 198

Monochromacy



Original Color

80, 135, 195



Achromatopsia

155, 155, 155



Achromatomaly

128, 148, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 135, 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(80, 185, 195)` looks like.

```
.text, #text, p{  
    color:rgb(80, 185, 195)  
}
```

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(80, 185, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 185, 195) }
```

Border

The CSS property to change the border of an element to RYB 80, 135, 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(80, 185, 195) }
```

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

```
.border{ border-color:rgb(80, 185, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 185, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 185, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 185, 195);  
box-shadow:4px 4px 4px 4px rgb(80, 185,  
195) }
```

Background

The CSS property to change the background color of an element to RGB 80, 135, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 195) }
```

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

```
.background{ background-color: rgb(80, 135,  
195) }
```

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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