

Converting Colors

`RYB(85, 179, 197)`

Have a look what the booklet for
RYB(85, 179, 197) contains.

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Color

$\text{RYB}(85, 179, 197)$

Conversions

Conversions Part 1

Format	Color
Hex	55C56A
RGB	85, 197, 106
RGB Percent	33%, 77%, 42%
CMY	0.6667, 0.2275, 0.5826
CMYK	0.57, 0.00, 0.46, 0.23
HSL	131°, 49%, 55%
HSV	131°, 57%, 77%
XYZ	26.3374, 42.9137, 20.6529
YIQ	153.1380, -37.5410, -52.0450

Conversions

Conversions Part 2

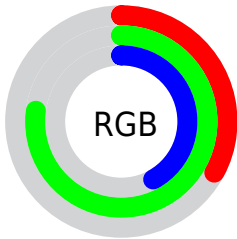
Format	Color
RYB	85, 179, 197
Decimal	5621098
CIELab	71.50, -51.17, 35.94
CIELCh	71, 62.529, 144.913
Yxy	42.9137, 0.2930, 0.4773
Android (android.graphics.Color)	4283811178 (0xFF55C56A)
YUV	153.1380, -23.2390, -59.7570
Hunter-Lab	65.5086, -42.8750, 27.1637

Details

The RYB color **85, 179, 197** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **197, 85, 176**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **143, 241, 255**, and **5, 105, 142** is the 20% darker color. If you saturate the color by 10%, you get **65, 175, 197**, and if you desaturate by 10%, it is **105, 183, 197**.

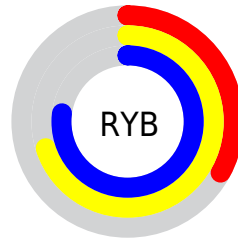
Distribution



Red (33%)

Green (77%)

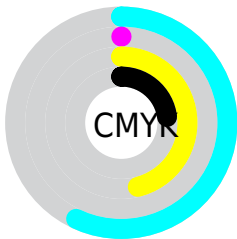
Blue (42%)



Red (33%)

Yellow (70%)

Blue (77%)

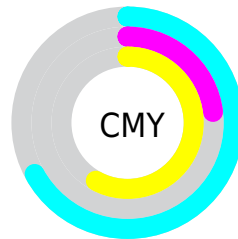


Cyan (57%)

Magenta (0%)

Yellow (46%)

Black (23%)



Cyan (67%)


Magenta (23%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the RYB color 85, 179, 197 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 85, 179, 197 by changing the saturation by 10% instead.

 85, 179, 197

 85, 179, 197


255, 255, 255

 53, 146, 169

 143, 241, 255

 5, 104, 142

 172, 243, 255

 0, 91, 116

 202, 245, 255

 0, 85, 90


 231, 247, 255


 0, 65, 65

 0, 44, 44

 0, 10, 10

 0, 0, 0

 85, 179, 197

 85, 179, 197

■ 65, 175, 197

■ 105, 183, 197

■ 46, 173, 197

■ 124, 185, 197

■ 26, 169, 197

■ 144, 189, 197

■ 6, 166, 197

■ 164, 192, 197

■ 0, 165, 197

■ 184, 195, 197

■ 203, 197, 202

■ 223, 197, 218

■ 243, 197, 234

■ 255, 197, 250

Harmonies

Analogous

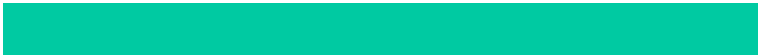
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64, 186, 91



85, 179, 197



0, 112, 202

Triad

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



85, 179, 197



0, 107, 255



255, 128, 130

Complementary

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



85, 179, 197



197, 85, 176

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, 124, 187



85, 179, 197



160, 164, 255

Square

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



85, 179, 197



0, 111, 255



235, 140, 241



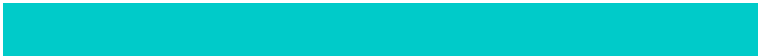
255, 186, 82

Rectangle

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



85, 179, 197



0, 102, 203



235, 140, 241



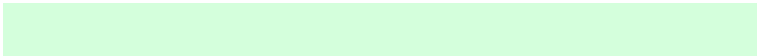
255, 124, 149

Sweetspot

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



85, 179, 197



212, 248, 255



85, 197, 106



102, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 179, 197



82, 227, 255



85, 151, 197



90, 98, 99



0, 137, 163



0, 30, 36

Inverse Universe

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



197, 85, 176



255, 82, 222



197, 85, 120



99, 90, 98



163, 0, 132



36, 0, 29

Previews

White Background



This preview shows how the RYB color 85, 179, 197 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 85, 179, 197 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 85, 179, 197 Background



This preview shows how black text looks on a background with the RYB color 85, 179, 197.



This preview shows how white text looks on a background with the RYB color 85, 179, 197.

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](#).

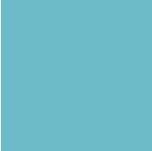
Dichromacy



Original Color
85, 179, 197

Protanopia
119, 191, 98

Deuteranopia
193, 209, 114



Tritanopia
109, 151, 201

Trichromacy



Original Color

85, 179, 197



Protanomaly

101, 182, 131



Deuteranomaly

111, 177, 124



Tritanomaly

100, 152, 190

Monochromacy



Original Color

85, 179, 197



Achromatopsia

153, 153, 153



Achromatomaly

128, 162, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 179, 197 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(85, 197, 106)` looks like.

```
.text, #text, p{  
    color:rgb(85, 197, 106)  
}
```

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(85, 197, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 197, 106) }
```

Border

The CSS property to change the border of an element to RYB 85, 179, 197 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(85, 197, 106) }
```

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

```
.border{ border-color:rgb(85, 197, 106) }
```

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

Here you see how a box with a 4 pixel rgb(85, 197, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 197, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 197, 106);  
box-shadow:4px 4px 4px 4px rgb(85, 197,  
106) }
```

Background

The CSS property to change the background color of an element to RGB 85, 179, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 197, 106) }
```

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

```
.background{ background-color: rgb(85, 197,  
106) }
```

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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