

Converting Colors

`RYB(81, 186, 197)`

Have a look what the booklet for
RYB(81, 186, 197) contains.

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Color

R_YB(81, 186, 197)

Conversions

Conversions Part 1

Format	Color
Hex	51C55D
RGB	81, 197, 93
RGB Percent	32%, 77%, 36%
CMY	0.6824, 0.2275, 0.6347
CMYK	0.59, 0.00, 0.53, 0.23
HSL	126°, 50%, 55%
HSV	126°, 59%, 77%
XYZ	25.3421, 42.4749, 17.2541
YIQ	150.4600, -35.7520, -56.9360

Conversions

Conversions Part 2

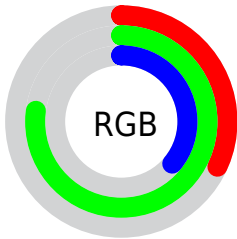
Format	Color
RYB	81, 186, 197
Decimal	5358941
CIELab	71.20, -54.04, 42.11
CIELCh	71, 68.507, 142.070
Yxy	42.4749, 0.2979, 0.4993
Android (android.graphics.Color)	4283549021 (0xFF51C55D)
YUV	150.4600, -28.3278, -60.9164
Hunter-Lab	65.1727, -44.6433, 29.9242

Details

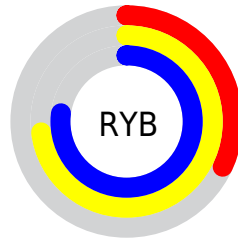
The RYB color **81, 186, 197** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **197, 81, 185**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **140, 250, 255**, and **0, 110, 142** is the 20% darker color. If you saturate the color by 10%, you get **61, 183, 197**, and if you desaturate by 10%, it is **101, 188, 197**.

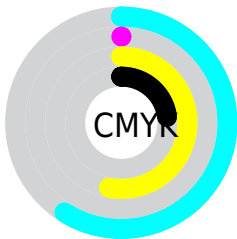
Distribution



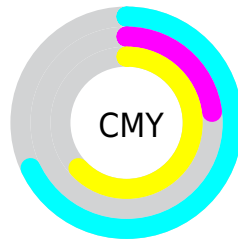
- Red (32%)
- Green (77%)
- Blue (36%)



- Red (32%)
- Yellow (73%)
- Blue (77%)



- Cyan (59%)
- Magenta (0%)
- Yellow (53%)
- Black (23%)



- Cyan (68%)
- Magenta (23%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 186, 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 81, 186, 197 by changing the saturation by 10% instead.



81, 186, 197



81, 186, 197

255, 255, 255



48, 152, 169



140, 249, 255



0, 110, 142



169, 251, 255



0, 104, 116



199, 253, 255



0, 90, 90



229, 255, 255



0, 65, 65



0, 43, 43



0, 8, 8




0, 0, 0





81, 186, 197





81, 186, 197


 61, 183, 197

 101, 188, 197


 42, 182, 197

 120, 190, 197


 22, 181, 197

 140, 192, 197

 2, 178, 197

 160, 193, 197

 0, 178, 197

 180, 196, 197

 199, 197, 199

 219, 197, 217

 239, 197, 234

 255, 197, 252

Harmonies

Analogous

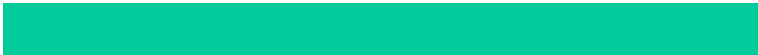
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45, 185, 68



81, 186, 197



0, 115, 203

Triad

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



81, 186, 197



0, 108, 255



255, 119, 131

Complementary

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



81, 186, 197



197, 81, 185

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, 116, 194



81, 186, 197



144, 162, 255

Square

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



81, 186, 197



0, 112, 255



234, 137, 252



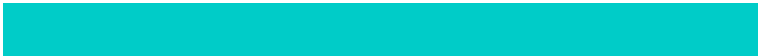
255, 176, 76

Rectangle

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



81, 186, 197



0, 103, 204



234, 137, 252



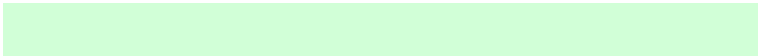
255, 115, 152

Sweetspot

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



81, 186, 197



209, 250, 255



81, 197, 93



99, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 186, 197



74, 238, 255



81, 153, 197



90, 98, 99



0, 148, 163



0, 32, 36

Inverse Universe

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



197, 81, 185



255, 74, 236



197, 81, 127



99, 90, 98



163, 0, 146



36, 0, 32

Previews

White Background



This preview shows how the RYB color 81, 186, 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 81, 186, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

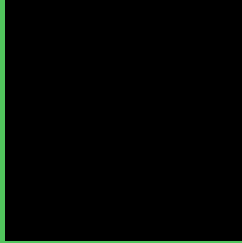
Any Text WCAG AA ✓ Pass

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 81, 186, 197 Background



This preview shows how black text looks on a background with the RYB color 81, 186, 197.

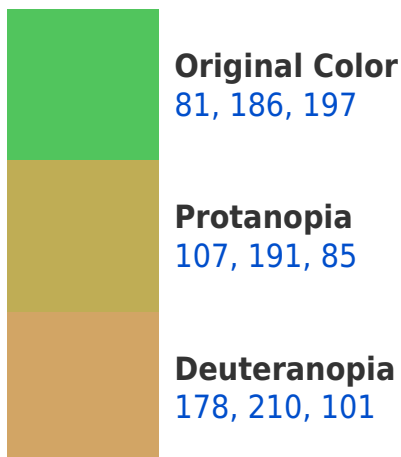


This preview shows how white text looks on a background with the RYB color 81, 186, 197.

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





Tritanopia
108, 150, 200

Trichromacy



Original Color

81, 186, 197



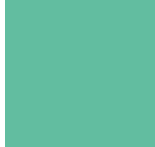
Protanomaly

88, 182, 119



Deuteranomaly

98, 177, 112



Tritanomaly

98, 152, 189

Monochromacy



Original Color

81, 186, 197



Achromatopsia

150, 150, 150



Achromatomaly

125, 163, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 186, 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(81, 197, 93)` looks like.

```
.text, #text, p{  
    color:rgb(81, 197, 93)  
}
```

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(81, 197, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 197, 93) }
```

Border

The CSS property to change the border of an element to RYB 81, 186, 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(81, 197, 93) }
```

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

```
.border{ border-color:rgb(81, 197, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 197, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 197, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 197, 93);  
box-shadow:4px 4px 4px 4px rgb(81, 197,  
93) }
```

Background

The CSS property to change the background color of an element to RGB 81, 186, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 197, 93) }
```

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

```
.background{ background-color: rgb(81, 197,  
93) }
```

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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