

Converting Colors

`RYB(81, 151, 195)`

Have a look what the booklet for
RYB(81, 151, 195) contains.

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Color

$\text{RYB}(81, 151, 195)$

Conversions

Conversions Part 1

Format	Color
Hex	51C399
RGB	81, 195, 153
RGB Percent	32%, 76%, 60%
CMY	0.6824, 0.2353, 0.4013
CMYK	0.58, 0.00, 0.22, 0.24
HSL	158°, 49%, 54%
HSV	158°, 58%, 76%
XYZ	28.6299, 43.0681, 36.7928
YIQ	156.1260, -54.4620, -37.2300

Conversions

Conversions Part 2

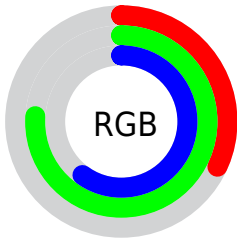
Format	Color
RYB	81, 151, 195
Decimal	5358489
CIELab	71.60, -42.42, 11.73
CIElCh	72, 44.015, 164.541
Yxy	43.0681, 0.2639, 0.3970
Android (android.graphics.Color)	4283548569 (0xFF51C399)
YUV	156.1260, -1.5411, -65.8855
Hunter-Lab	65.6263, -36.9742, 12.6981

Details

The RYB color **81, 151, 195** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **195, 81, 123**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **140, 210, 252**, and **0, 81, 140** is the 20% darker color. If you saturate the color by 10%, you get **61, 143, 195**, and if you desaturate by 10%, it is **100, 158, 195**.

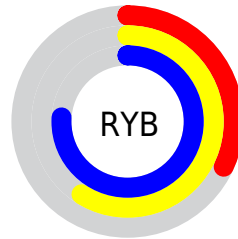
Distribution



Red (32%)

Green (76%)

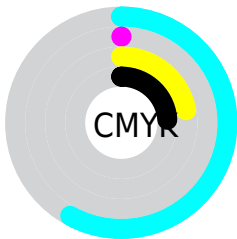
Blue (60%)



Red (32%)

Yellow (59%)

Blue (76%)

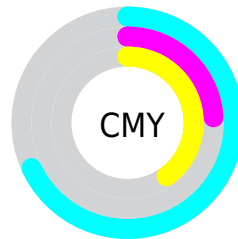


Cyan (58%)

Magenta (0%)

Yellow (22%)

Black (24%)



Cyan (68%)


Magenta (24%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 151, 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 81, 151, 195 by changing the saturation by 10% instead.

 81, 151, 195


255, 255, 255


 140, 210, 252

 169, 218, 255

 198, 227, 255

 227, 241, 255

 81, 151, 195


 49, 120, 167


 0, 81, 140

 0, 68, 114


 0, 55, 89


 0, 43, 65

 0, 34, 43

 0, 11, 11

 0, 0, 0

 81, 151, 195

 81, 151, 195

■ 61, 143, 195

■ 100, 158, 195

■ 42, 136, 195

■ 120, 166, 195

■ 22, 128, 195

■ 139, 173, 195

■ 3, 121, 195

■ 159, 181, 195

■ 0, 120, 195

■ 179, 189, 195

■ 198, 195, 196

■ 218, 195, 203

■ 237, 195, 211

■ 255, 195, 218

Harmonies

Analogous

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



117, 189, 169



81, 151, 195



0, 99, 196

Triad

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



81, 151, 195



147, 168, 253



244, 162, 121

Complementary

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



81, 151, 195



195, 81, 123

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.



253, 143, 157



81, 151, 195



204, 158, 233

Square

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



81, 151, 195



65, 138, 252



240, 146, 198



192, 219, 98

Rectangle

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



81, 151, 195



0, 103, 220



240, 146, 198



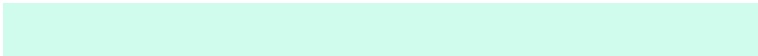
249, 151, 132

Sweetspot

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



81, 151, 195



207, 234, 252



81, 195, 151



99, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 151, 195



76, 184, 252



81, 135, 195



87, 93, 97



0, 99, 161



0, 20, 33

Inverse Universe

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



195, 81, 123



252, 76, 141



195, 96, 81



97, 87, 91



161, 0, 60



33, 0, 12

Previews

White Background



This preview shows how the RYB color 81, 151, 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 81, 151, 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 81, 151, 195 Background



This preview shows how black text looks on a background with the RYB color 81, 151, 195.

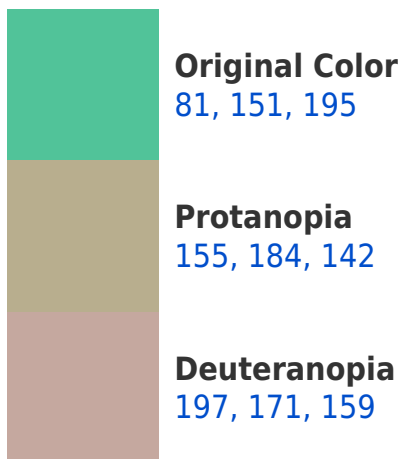


This preview shows how white text looks on a background with the RYB color 81, 151, 195.

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
98, 146, 203

Trichromacy



Original Color

81, 151, 195



Protanomaly

146, 182, 181



Deuteranomaly

155, 176, 178



Tritanomaly

92, 143, 191

Monochromacy



Original Color

81, 151, 195



Achromatopsia

156, 156, 156



Achromatomaly

129, 154, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 151, 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(81, 195, 153)` looks like.

```
.text, #text, p{  
    color:rgb(81, 195, 153)  
}
```

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, 195, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 195, 153) }
```

Border

The CSS property to change the border of an element to RYB 81, 151, 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(81, 195, 153) }
```

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

```
.border{ border-color:rgb(81, 195, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 195, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 195, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 195, 153);  
box-shadow:4px 4px 4px 4px rgb(81, 195,  
153) }
```

Background

The CSS property to change the background color of an element to RGB 81, 151, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 195, 153) }
```

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

```
.background{ background-color: rgb(81, 195,  
153) }
```

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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