

Converting Colors

`RYB(81, 180, 209)`

Have a look what the booklet for
RYB(81, 180, 209) contains.

RYB(81, 180, 209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(81, 180, 209)$

Conversions

Conversions Part 1

Format	Color
Hex	51D176
RGB	81, 209, 118
RGB Percent	32%, 82%, 46%
CMY	0.6824, 0.1804, 0.5353
CMYK	0.61, 0.00, 0.43, 0.18
HSL	138°, 58%, 57%
HSV	138°, 61%, 82%
XYZ	29.4933, 48.6701, 25.1340
YIQ	160.3540, -47.0770, -55.4370

Conversions

Conversions Part 2

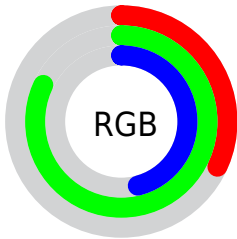
Format	Color
RYB	81, 180, 209
Decimal	5362038
CIELab	75.25, -54.80, 34.63
CIELCh	75, 64.823, 147.705
Yxy	48.6701, 0.2855, 0.4712
Android (android.graphics.Color)	4283552118 (0xFF51D176)
YUV	160.3540, -20.8805, -69.5935
Hunter-Lab	69.7639, -46.6244, 27.4743

Details

The RYB color **81, 180, 209** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **209, 81, 172**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **142, 232, 255**, and **0, 106, 153** is the 20% darker color. If you saturate the color by 10%, you get **60, 175, 209**, and if you desaturate by 10%, it is **102, 185, 209**.

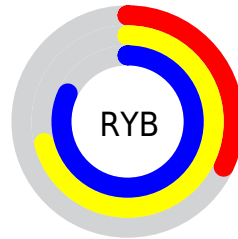
Distribution



Red (32%)

Green (82%)

Blue (46%)



Red (32%)

Yellow (71%)

Blue (82%)

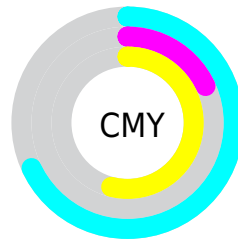


Cyan (61%)

Magenta (0%)

Yellow (43%)

Black (18%)



Cyan (68%)

Magenta (18%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 180, 209 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, 180, 209 by changing the saturation by 10% instead.



81, 180, 209



81, 180, 209

255, 255, 255



46, 146, 181



141, 231, 255



0, 106, 153



171, 234, 255



0, 94, 127



201, 237, 255



0, 85, 101



231, 243, 255



0, 75, 75



0, 52, 52



0, 27, 27



0, 0, 0



81, 180, 209



81, 180, 209

■ 60, 175, 209

■ 102, 185, 209

■ 39, 170, 209

■ 123, 190, 209

■ 18, 166, 209

■ 144, 194, 209

■ 0, 162, 209

■ 165, 199, 209

■ 186, 204, 209

■ 206, 208, 209

■ 227, 209, 222

■ 248, 209, 237

■ 255, 209, 251

Harmonies

Analogous

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



72, 198, 107



81, 180, 209



0, 117, 214

Triad

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



81, 180, 209



0, 110, 255



255, 137, 133

Complementary

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



81, 180, 209



209, 81, 172

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, 131, 192



81, 180, 209



179, 171, 255

Square

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



81, 180, 209



0, 114, 255



254, 147, 250



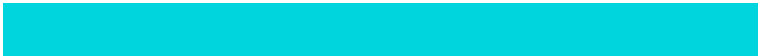
255, 214, 84

Rectangle

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



81, 180, 209



0, 108, 220



254, 147, 250



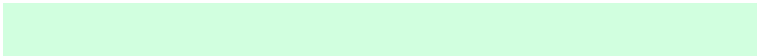
255, 133, 152

Sweetspot

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



81, 180, 209



209, 244, 255



81, 209, 117



99, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



81, 180, 209



69, 213, 255



81, 153, 209



94, 103, 105



0, 130, 168



0, 32, 41

Inverse Universe

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



209, 81, 172



255, 69, 200



209, 81, 109



105, 94, 101



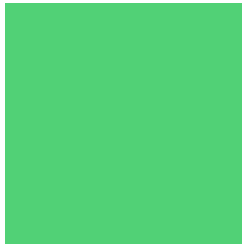
168, 0, 119



41, 0, 29

Previews

White Background



This preview shows how the RYB color 81, 180, 209 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, 180, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

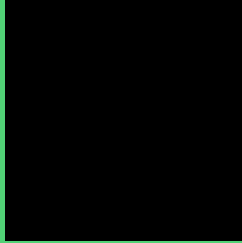
Any Text WCAG AA ✓ Pass

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, 180, 209 Background



This preview shows how black text looks on a background with the RYB color 81, 180, 209.

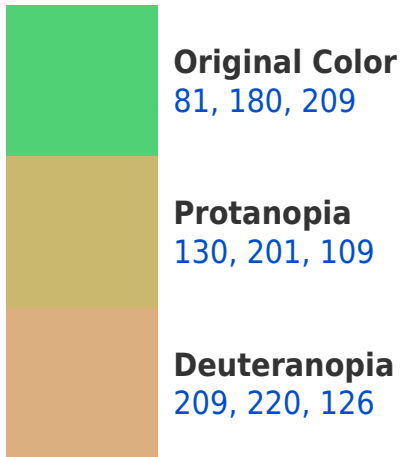


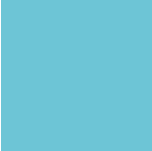
This preview shows how white text looks on a background with the RYB color 81, 180, 209.

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
109, 157, 214

Trichromacy



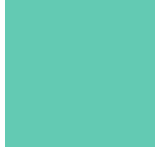
Original Color
81, 180, 209



Protanomaly
112, 193, 148



Deuteranomaly
123, 188, 142



Tritanomaly
99, 157, 202

Monochromacy



Original Color
81, 180, 209



Achromatopsia
160, 160, 160



Achromatomaly
131, 167, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 180, 209 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, 209, 118)` looks like.

```
.text, #text, p{  
    color:rgb(81, 209, 118)  
}
```

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, 209, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 209, 118) }
```

Border

The CSS property to change the border of an element to RYB 81, 180, 209 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, 209, 118) }
```

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

```
.border{ border-color:rgb(81, 209, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 209, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 209, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 209, 118);  
box-shadow:4px 4px 4px 4px rgb(81, 209,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 81, 180, 209 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 209, 118) }
```

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

```
.background{ background-color: rgb(81, 209,  
118) }
```

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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