

Converting Colors

`RYB(80, 176, 205)`

Have a look what the booklet for
RYB(80, 176, 205) contains.

RYB(80, 176, 205)	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

RYB(80, 176, 205)

Conversions

Conversions Part 1

Format	Color
Hex	50CD76
RGB	80, 205, 118
RGB Percent	31%, 80%, 46%
CMY	0.6863, 0.1961, 0.5382
CMYK	0.61, 0.00, 0.43, 0.20
HSL	138°, 56%, 56%
HSV	138°, 61%, 80%
XYZ	28.3954, 46.6704, 24.5767
YIQ	157.7070, -46.5730, -53.5570

Conversions

Conversions Part 2

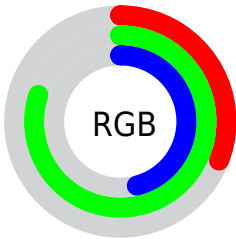
Format	Color
RYB	80, 176, 205
Decimal	5295478
CIELab	73.98, -53.59, 33.36
CIELCh	74, 63.124, 148.094
Yxy	46.6704, 0.2850, 0.4684
Android (android.graphics.Color)	4283485558 (0xFF50CD76)
YUV	157.7070, -19.5756, -68.1490
Hunter-Lab	68.3158, -45.3592, 26.4914

Details

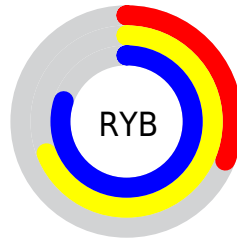
The RYB color **80, 176, 205** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **205, 80, 167**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **140, 231, 255**, and **0, 103, 150** is the 20% darker color. If you saturate the color by 10%, you get **60, 172, 205**, and if you desaturate by 10%, it is **101, 181, 205**.

Distribution



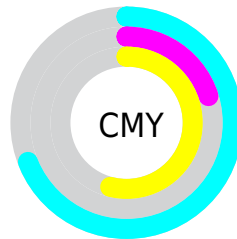
- Red (31%)
- Green (80%)
- Blue (46%)



- Red (31%)
- Yellow (69%)
- Blue (80%)



- Cyan (61%)
- Magenta (0%)
- Yellow (43%)
- Black (20%)




- Cyan (69%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 176, 205 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, 176, 205 by changing the saturation by 10% instead.

 80, 176, 205


255, 255, 255


 140, 231, 255

 169, 233, 255

 199, 236, 255


 229, 242, 255

 80, 176, 205

 46, 143, 177

 0, 103, 150

 0, 91, 123


 0, 81, 97

 0, 72, 72

 0, 49, 49

 0, 22, 22

 0, 0, 0

 80, 176, 205

 80, 176, 205

■ 60, 172, 205

■ 101, 181, 205

■ 39, 167, 205

■ 121, 186, 205

■ 19, 162, 205

■ 142, 190, 205

■ 0, 157, 205

■ 162, 195, 205

■ 183, 200, 205

■ 203, 204, 205

■ 224, 205, 218

■ 244, 205, 232

■ 255, 205, 247

Harmonies

Analogous

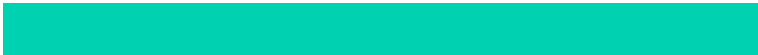
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73, 195, 109



80, 176, 205



0, 114, 210

Triad

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



80, 176, 205



0, 109, 255



255, 135, 131

Complementary

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



80, 176, 205



205, 80, 167

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, 130, 188



80, 176, 205



177, 168, 255

Square

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



80, 176, 205



0, 113, 255



249, 144, 244



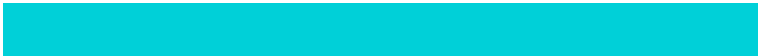
255, 210, 83

Rectangle

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



80, 176, 205



0, 106, 216



249, 144, 244



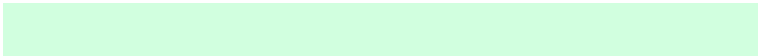
255, 131, 149

Sweetspot

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



80, 176, 205



209, 244, 255



80, 205, 117



99, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 176, 205



69, 212, 255



80, 149, 205



92, 100, 102



0, 128, 166



0, 29, 38

Inverse Universe

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



205, 80, 167



255, 69, 199



205, 80, 105



102, 92, 99



166, 0, 116



38, 0, 27

Previews

White Background



This preview shows how the RYB color 80, 176, 205 looks on a white background.

Color Contrast Check

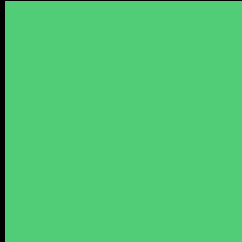
Large Text (above 18pt) WCAG AA × Fail

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, 176, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

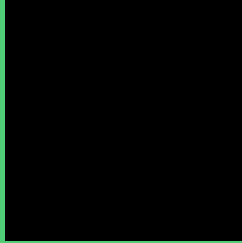
Any Text WCAG AA ✓ Pass

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, 176, 205 Background



This preview shows how black text looks on a background with the RYB color 80, 176, 205.

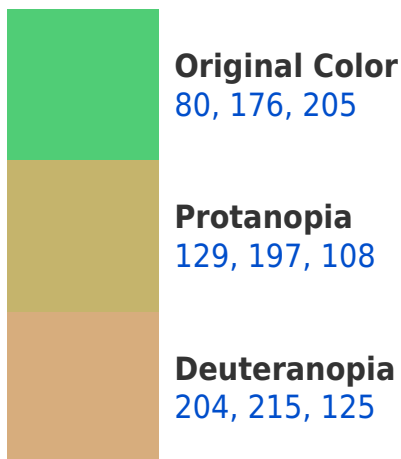


This preview shows how white text looks on a background with the RYB color 80, 176, 205.

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





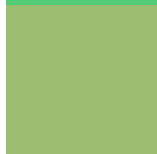
Tritanopia
107, 154, 210

Trichromacy



Original Color

80, 176, 205



Protanomaly

112, 189, 147



Deuteranomaly

122, 185, 141



Tritanomaly

97, 154, 198

Monochromacy



Original Color

80, 176, 205



Achromatopsia

158, 158, 158



Achromatomaly

130, 165, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 176, 205 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, 205, 118)` looks like.

```
.text, #text, p{  
    color:rgb(80, 205, 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(80, 205, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 205, 118) }
```

Border

The CSS property to change the border of an element to RYB 80, 176, 205 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, 205, 118) }
```

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

```
.border{ border-color:rgb(80, 205, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 205, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 205, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 205, 118);  
box-shadow:4px 4px 4px 4px rgb(80, 205,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 80, 176, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 205, 118) }
```

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

```
.background{ background-color: rgb(80, 205,  
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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