

Converting Colors

`RYB(80, 170, 200)`

Have a look what the booklet for
RYB(80, 170, 200) contains.

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Color

RYB(80, 170, 200)

Conversions

Conversions Part 1

Format	Color
Hex	50C878
RGB	80, 200, 120
RGB Percent	31%, 78%, 47%
CMY	0.6863, 0.2157, 0.5294
CMYK	0.60, 0.00, 0.40, 0.22
HSL	140°, 52%, 55%
HSV	140°, 60%, 78%
XYZ	27.3527, 44.3701, 24.8919
YIQ	155.0000, -45.8400, -50.3200

Conversions

Conversions Part 2

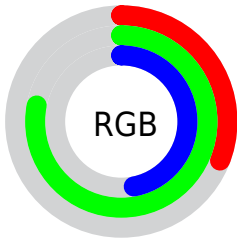
Format	Color
RYB	80, 170, 200
Decimal	5294200
CIELab	72.48, -51.25, 30.25
CIELCh	72, 59.512, 149.447
Yxy	44.3701, 0.2831, 0.4592
Android (android.graphics.Color)	4283484280 (0xFF50C878)
YUV	155.0000, -17.2550, -65.7750
Hunter-Lab	66.6109, -43.2708, 24.4714

Details

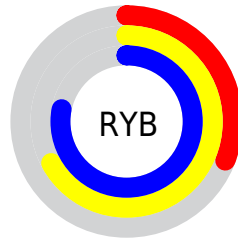
The RYB color **80, 170, 200** is a dark color, and the websafe version is hex **66CC66**, and the color name is **emerald**. The color can be described as middle muted spring green. A complement of this color would be **200, 80, 160**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **139, 229, 255**, and **0, 98, 145** is the 20% darker color. If you saturate the color by 10%, you get **60, 165, 200**, and if you desaturate by 10%, it is **100, 175, 200**.

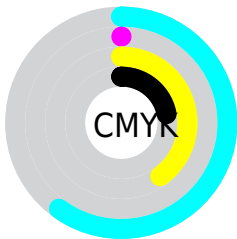
Distribution



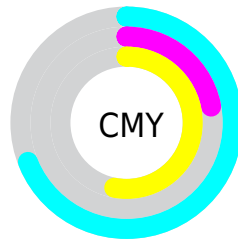
- Red (31%)
- Green (78%)
- Blue (47%)



- Red (31%)
- Yellow (67%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)





- Cyan (69%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the RYB color 80, 170, 200 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, 170, 200 by changing the saturation by 10% instead.

 80, 170, 200

 80, 170, 200

255, 255, 255

 47, 137, 172

 139, 229, 255

 0, 98, 145

 168, 231, 255

 0, 85, 118

 198, 235, 255

 0, 75, 93


 228, 242, 255


 0, 68, 68


 0, 46, 46


 0, 16, 16


 0, 0, 0


 80, 170, 200


 80, 170, 200


 60, 165, 200

 100, 175, 200


 40, 160, 200


 120, 180, 200

 20, 155, 200

 140, 185, 200

 0, 150, 200

 160, 190, 200

 180, 195, 200

 200, 200, 200

 220, 200, 213

 240, 200, 227

 255, 200, 240

Harmonies

Analogous

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



77, 190, 113



80, 170, 200



0, 110, 204

Triad

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



80, 170, 200



50, 131, 255



255, 136, 127

Complementary

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



80, 170, 200



200, 80, 160

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, 129, 181



80, 170, 200



178, 164, 255

Square

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



80, 170, 200



0, 111, 255



243, 142, 234



251, 205, 84

Rectangle

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



80, 170, 200



0, 104, 212



243, 142, 234



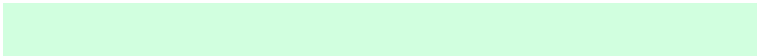
255, 131, 145

Sweetspot

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



80, 170, 200



209, 244, 255



80, 200, 120



99, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 170, 200



71, 209, 255



80, 145, 200



90, 97, 99



0, 122, 163



0, 27, 36

Inverse Universe

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



200, 80, 160



255, 71, 194



200, 80, 100



99, 90, 96



163, 0, 109



36, 0, 24

Previews

White Background



This preview shows how the RYB color 80, 170, 200 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, 170, 200 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](#).

R Y B 80, 170, 200 Background



This preview shows how black text looks on a background with the RYB color 80, 170, 200.

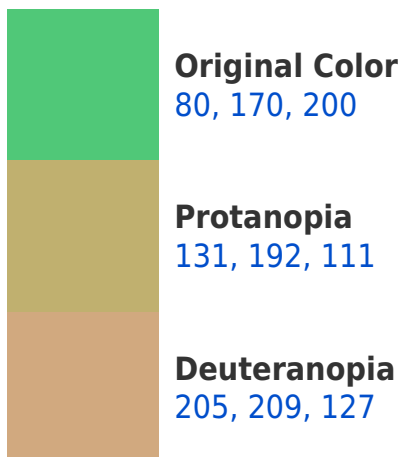


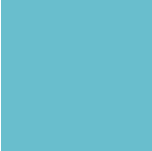
This preview shows how white text looks on a background with the RYB color 80, 170, 200.

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
105, 151, 205

Trichromacy



Original Color

80, 170, 200



Protanomaly

114, 185, 148



Deuteranomaly

124, 180, 142



Tritanomaly

96, 151, 194

Monochromacy



Original Color

80, 170, 200



Achromatopsia

155, 155, 155



Achromatomaly

128, 160, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 170, 200 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, 200, 120)` looks like.

```
.text, #text, p{  
    color:rgb(80, 200, 120)  
}
```

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, 200, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 200, 120) }
```

Border

The CSS property to change the border of an element to RYB 80, 170, 200 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, 200, 120) }
```

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

```
.border{ border-color:rgb(80, 200, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 200, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 200, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 200, 120);  
box-shadow:4px 4px 4px 4px rgb(80, 200,  
120) }
```

Background

The CSS property to change the background color of an element to RGB 80, 170, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 200, 120) }
```

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

```
.background{ background-color: rgb(80, 200,  
120) }
```

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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