

Converting Colors

`RYB(78, 199, 197)`

Have a look what the booklet for
RYB(78, 199, 197) contains.

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Color

$\text{RYB}(78, 199, 197)$

Conversions

Conversions Part 1

Format	Color
Hex	50C74E
RGB	80, 199, 78
RGB Percent	31%, 78%, 31%
CMY	0.6863, 0.2196, 0.6941
CMYK	0.60, 0.00, 0.61, 0.22
HSL	119°, 52%, 54%
HSV	119°, 61%, 78%
XYZ	25.1068, 43.1024, 14.2041
YIQ	149.6250, -32.0830, -62.8590

Conversions

Conversions Part 2

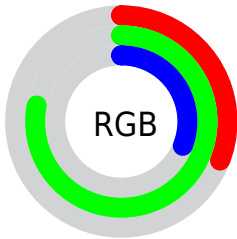
Format	Color
RYB	78, 199, 197
Decimal	5293902
CIELab	71.62, -56.88, 49.64
CIELCh	72, 75.494, 138.885
Yxy	43.1024, 0.3046, 0.5230
Android (android.graphics.Color)	4283483982 (0xFF50C74E)
YUV	149.6250, -35.3111, -61.0611
Hunter-Lab	65.6524, -46.6296, 33.1291

Details

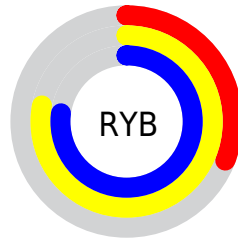
The RYB color **78, 199, 197** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **197, 78, 199**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **131, 255, 246**, and **0, 125, 144** is the 20% darker color. If you saturate the color by 10%, you get **58, 199, 197**, and if you desaturate by 10%, it is **98, 199, 197**.

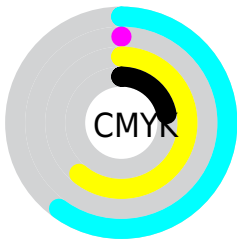
Distribution



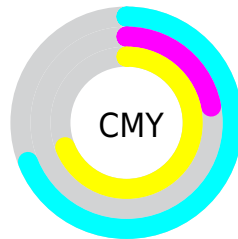
- Red (31%)
- Green (78%)
- Blue (31%)



- Red (31%)
- Yellow (78%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (61%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 199, 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 78, 199, 197 by changing the saturation by 10% instead.



78, 199, 197



78, 199, 197

255, 255, 255



45, 164, 171



131, 255, 246



0, 125, 144



158, 255, 243



0, 117, 117



186, 255, 242



0, 92, 92



214, 255, 240



0, 67, 67



243, 255, 243



0, 44, 44



0, 11, 11



0, 0, 0



78, 199, 197



78, 199, 197

■ 58, 199, 197

■ 98, 199, 197

■ 38, 199, 196

■ 118, 199, 198

■ 18, 199, 196

■ 138, 199, 198

■ 0, 199, 196

■ 158, 199, 199

■ 178, 199, 199

■ 197, 199, 199

■ 217, 199, 217

■ 237, 199, 237

■ 255, 199, 255

Harmonies

Analogous

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



11, 185, 28



78, 199, 197



0, 120, 206

Triad

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



78, 199, 197



0, 109, 255



255, 109, 135

Complementary

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



78, 199, 197



197, 78, 199

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, 110, 204



78, 199, 197



121, 156, 255

Square

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



78, 199, 197



0, 113, 255



232, 137, 255



255, 166, 72

Rectangle

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



78, 199, 197



0, 107, 208



232, 137, 255



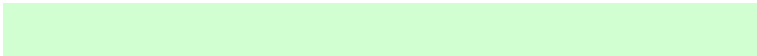
255, 105, 158

Sweetspot

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



78, 199, 197



209, 255, 254



80, 199, 78



99, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



78, 199, 197



69, 255, 252



78, 160, 199



90, 99, 99



0, 163, 160



0, 36, 35

Inverse Universe

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



197, 78, 199



252, 69, 255



199, 78, 141



99, 90, 99



161, 0, 163



35, 0, 36

Previews

White Background



This preview shows how the RYB color 78, 199, 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 78, 199, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

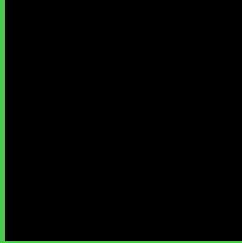
Any Text WCAG AA ✓ Pass

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](#).

R Y B 78, 199, 197 Background



This preview shows how black text looks on a background with the R Y B color 78, 199, 197.

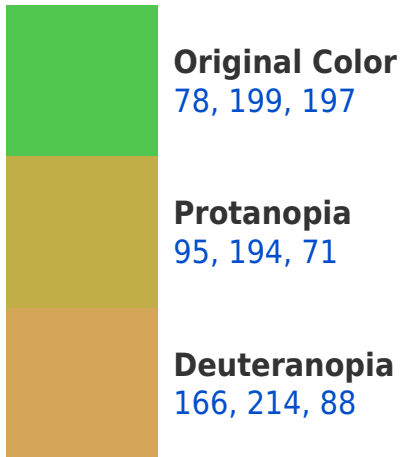


This preview shows how white text looks on a background with the R Y B color 78, 199, 197.

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
109, 151, 202

Trichromacy



Original Color

78, 199, 197



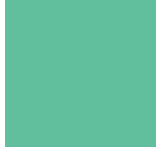
Protanomaly

74, 183, 104



Deuteranomaly

84, 178, 97



Tritanomaly

98, 155, 191

Monochromacy



Original Color

78, 199, 197



Achromatopsia

150, 150, 150



Achromatomaly

124, 168, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 199, 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(80, 199, 78)` looks like.

```
.text, #text, p{  
    color:rgb(80, 199, 78)  
}
```

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, 199, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 199, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 199, 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(80, 199, 78) }
```

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

```
.border{ border-color:rgb(80, 199, 78) }
```

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

Here you see how a box with a 4 pixel rgb(80, 199, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 199, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 199, 78);  
box-shadow:4px 4px 4px 4px rgb(80, 199,  
78) }
```

Background

The CSS property to change the background color of an element to RGB 78, 199, 197 is called "background".

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

```
.background, #background, body{  
background: rgb(80, 199, 78) }
```

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

```
.background{ background-color: rgb(80, 199,  
78) }
```

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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