

Converting Colors

RGB(87, 219, 195)

Have a look what the booklet for
RGB(87, 219, 195) contains.

RGB(87, 219, 195)	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

RGB(87, 219, 195)

Conversions

Conversions Part 1

Format	Color
Hex	57DBC3
RGB	87, 219, 195
RGB Percent	34%, 86%, 76%
CMY	0.6588, 0.1412, 0.2353
CMYK	0.60, 0.00, 0.11, 0.14
HSL	169°, 65%, 60%
HSV	169°, 60%, 86%
XYZ	39.1123, 56.6294, 60.4989
YIQ	176.7960, -70.9680, -35.4480

Conversions

Conversions Part 2

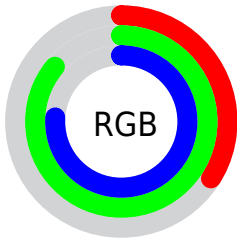
Format	Color
R _Y B	87, 160, 219
Decimal	5757891
CIE Lab	79.97, -41.76, 1.05
CIE LCh	80, 41.778, 178.567
Yxy	56.6294, 0.2503, 0.3624
Android (android.graphics.Color)	4283947971 (0xFF57DBC3)
YUV	176.7960, 8.9746, -78.7511
Hunter-Lab	75.2525, -38.9169, 5.0108

Details

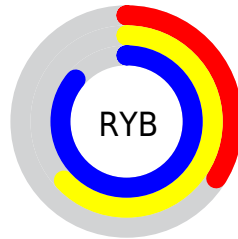
The RGB color **87, 219, 195** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **219, 87, 111**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **149, 255, 251**, and **0, 163, 141** is the 20% darker color. If you saturate the color by 10%, you get **65, 219, 191**, and if you desaturate by 10%, it is **109, 219, 199**.

Distribution



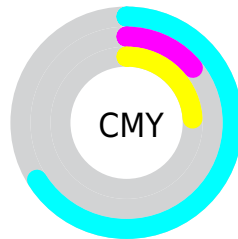
- Red (34%)
- Green (86%)
- Blue (76%)



- Red (34%)
- Yellow (63%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)




















- Cyan (66%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 219, 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 RGB color 87, 219, 195 by changing the saturation by 10% instead.

 87, 219, 195	 87, 219, 195
 255, 255, 255	 52, 191, 168
 149, 255, 251	 0, 163, 141
 179, 255, 255	 0, 136, 116
 209, 255, 255	 0, 110, 91
 239, 255, 255	 0, 85, 68
	 0, 61, 46
	 0, 40, 25
	 0, 0, 0
 87, 219, 195	 87, 219, 195

■ 65, 219, 191

■ 109, 219, 199

■ 43, 219, 187

■ 131, 219, 203

■ 21, 219, 183

■ 153, 219, 207

■ 0, 219, 179

■ 175, 219, 211

■ 196, 219, 215

■ 218, 219, 219

■ 240, 219, 223

■ 255, 219, 227

■ 255, 219, 231

Harmonies

Analogous

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



139, 215, 156



87, 219, 195



35, 218, 234

Triad

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



87, 219, 195



200, 189, 255



255, 182, 133

Complementary

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



87, 219, 195



219, 87, 111

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, 171, 163



87, 219, 195



246, 175, 240

Square

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



87, 219, 195



139, 203, 255



255, 168, 202



226, 195, 120

Rectangle

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



87, 219, 195



48, 215, 255



255, 168, 202



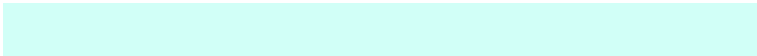
255, 178, 141

Sweetspot

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



87, 219, 195



209, 255, 247



111, 219, 87



99, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



87, 219, 195



71, 255, 222



87, 177, 219



99, 110, 108



0, 173, 142



0, 46, 38

Inverse Universe

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



219, 87, 111



255, 71, 105



219, 129, 87



110, 99, 101



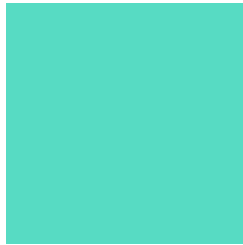
173, 0, 32



46, 0, 8

Previews

White Background



This preview shows how the RGB color 87, 219, 195 looks on a white background.

Color Contrast Check

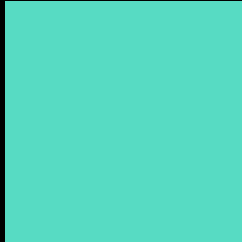
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 87, 219, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

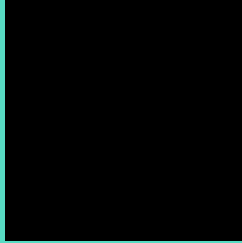
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

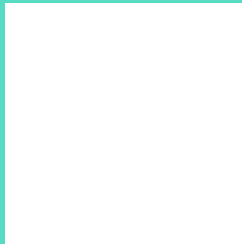
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 87, 219, 195 Background



This preview shows how black text looks on a background with the RGB color 87, 219, 195.

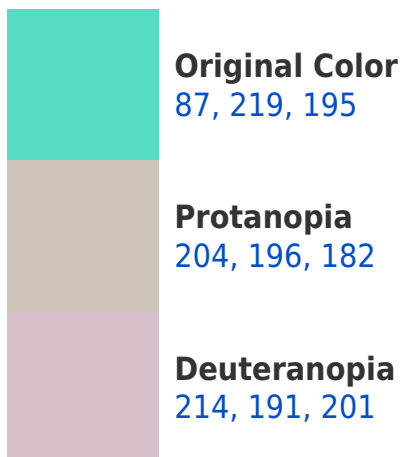


This preview shows how white text looks on a background with the RGB color 87, 219, 195.

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





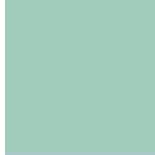
Tritanopia
101, 214, 231

Trichromacy



Original Color

87, 219, 195



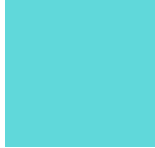
Protanomaly

161, 204, 187



Deuteranomaly

168, 201, 199



Tritanomaly

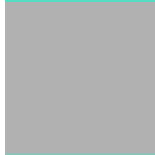
96, 216, 218

Monochromacy



Original Color

87, 219, 195



Achromatopsia

177, 177, 177



Achromatomaly

144, 192, 184

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 219, 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(87, 219, 195)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 195)  
}
```

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(87, 219, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 195) }
```

Border

The CSS property to change the border of an element to RGB 87, 219, 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(87, 219, 195) }
```

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

```
.border{ border-color:rgb(87, 219, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 219, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 195);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
195) }
```

Background

The CSS property to change the background color of an element to RGB 87, 219, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 195) }
```

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

```
.background{ background-color: rgb(87, 219,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor