

Converting Colors

RGB(87, 242, 201)

Have a look what the booklet for
RGB(87, 242, 201) contains.

RGB(87, 242, 201)	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, 242, 201)

Conversions

Conversions Part 1

Format	Color
Hex	57F2C9
RGB	87, 242, 201
RGB Percent	34%, 95%, 79%
CMY	0.6588, 0.0510, 0.2118
CMYK	0.64, 0.00, 0.17, 0.05
HSL	164°, 86%, 65%
HSV	164°, 64%, 95%
XYZ	46.2252, 69.7475, 66.2846
YIQ	190.9810, -79.2190, -45.6110

Conversions

Conversions Part 2

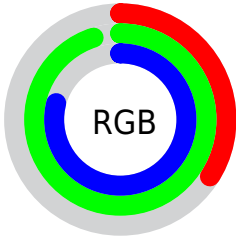
Format	Color
RYB	87, 176, 242
Decimal	5763785
CIELab	86.87, -50.21, 7.86
CIELCh	87, 50.826, 171.101
Yxy	69.7475, 0.2536, 0.3827
Android (android.graphics.Color)	4283953865 (0xFF57F2C9)
YUV	190.9810, 4.9394, -91.1913
Hunter-Lab	83.5150, -47.3522, 11.4029

Details

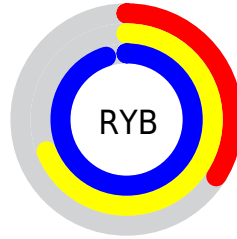
The RGB color **87, 242, 201** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **242, 87, 128**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **152, 255, 255**, and **0, 185, 147** is the 20% darker color. If you saturate the color by 10%, you get **63, 242, 195**, and if you desaturate by 10%, it is **111, 242, 207**.

Distribution



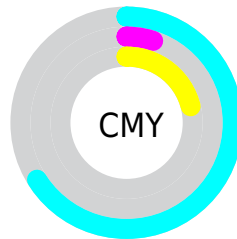
- Red (34%)
- Green (95%)
- Blue (79%)



- Red (34%)
- Yellow (69%)
- Blue (95%)



- Cyan (64%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)



















- Cyan (66%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 242, 201 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, 242, 201 by changing the saturation by 10% instead.

 87, 242, 201	 87, 242, 201
 255, 255, 255	 47, 213, 174
 152, 255, 255	 0, 185, 147
 182, 255, 255	 0, 157, 121
 213, 255, 255	 0, 131, 97
 244, 255, 255	 0, 104, 73
	 0, 79, 50
	 0, 55, 29
	 0, 32, 5
	 0, 0, 0

■ 87, 242, 201

■ 87, 242, 201

■ 63, 242, 195

■ 111, 242, 207

■ 39, 242, 188

■ 135, 242, 214

■ 14, 242, 182

■ 160, 242, 220

■ 0, 242, 178

■ 184, 242, 227

■ 208, 242, 233

■ 232, 242, 239

■ 255, 242, 246

■ 255, 242, 252

■ 255, 242, 255

Harmonies

Analogous

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



158, 236, 155



87, 242, 201



0, 243, 251

Triad

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



87, 242, 201



201, 210, 255



255, 193, 144

Complementary

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



87, 242, 201



242, 87, 128

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, 181, 185



87, 242, 201



255, 192, 255

Square

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



87, 242, 201



113, 227, 255



255, 180, 234



255, 210, 121

Rectangle

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



87, 242, 201



0, 240, 255



255, 180, 234



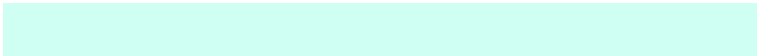
255, 188, 156

Sweetspot

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



87, 242, 201



207, 255, 242



128, 242, 87



98, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



87, 242, 201



59, 255, 203



87, 206, 242



108, 120, 117



0, 184, 135



0, 56, 41

Inverse Universe

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



242, 87, 128



255, 59, 111



242, 123, 87



120, 108, 111



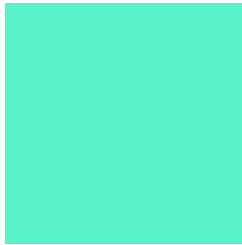
184, 0, 49



56, 0, 15

Previews

White Background



This preview shows how the RGB color 87, 242, 201 looks on a white background.

Color Contrast Check

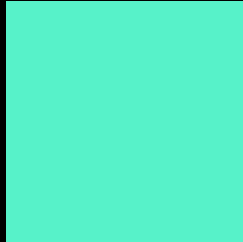
Large Text (above 18pt) WCAG AA × Fail

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, 242, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

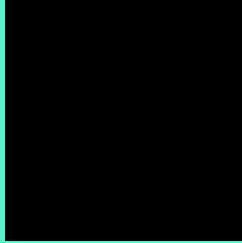
Any Text WCAG AA ✓ Pass

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, 242, 201 Background



This preview shows how black text looks on a background with the RGB color 87, 242, 201.

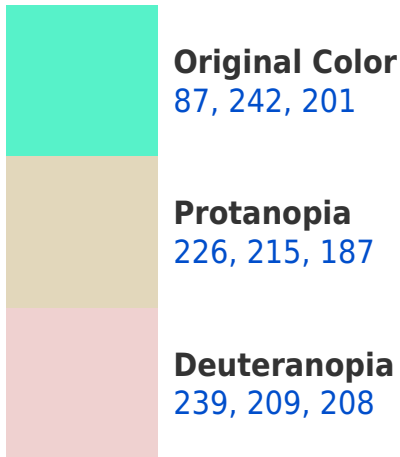


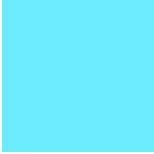
This preview shows how white text looks on a background with the RGB color 87, 242, 201.

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
108, 235, 254

Trichromacy



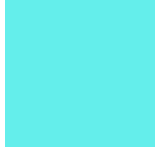
Original Color
87, 242, 201



Protanomaly
175, 225, 192



Deuteranomaly
184, 221, 205

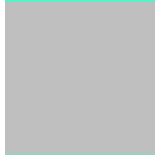


Tritanomaly
100, 238, 235

Monochromacy



Original Color
87, 242, 201



Achromatopsia
191, 191, 191



Achromatomaly
153, 210, 195

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 242, 201 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, 242, 201)` looks like.

```
.text, #text, p{  
    color:rgb(87, 242, 201)  
}
```

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, 242, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 242, 201) }
```

Border

The CSS property to change the border of an element to RGB 87, 242, 201 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, 242, 201) }
```

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

```
.border{ border-color:rgb(87, 242, 201) }
```

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

Here you see how a box with a 4 pixel rgb(87, 242, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 242, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 242, 201);  
box-shadow:4px 4px 4px 4px rgb(87, 242,  
201) }
```

Background

The CSS property to change the background color of an element to RGB 87, 242, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 242, 201) }
```

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

```
.background{ background-color: rgb(87, 242,  
201) }
```

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