

Converting Colors

RGB(87, 226, 215)

Have a look what the booklet for
RGB(87, 226, 215) contains.

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Color

RGB(87, 226, 215)

Conversions

Conversions Part 1

Format	Color
Hex	57E2D7
RGB	87, 226, 215
RGB Percent	34%, 89%, 84%
CMY	0.6588, 0.1137, 0.1569
CMYK	0.62, 0.00, 0.05, 0.11
HSL	175°, 71%, 61%
HSV	175°, 62%, 89%
XYZ	43.3926, 61.3252, 73.8399
YIQ	183.1850, -79.3130, -32.8890

Conversions

Conversions Part 2

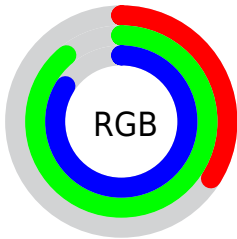
Format	Color
RYB	87, 159, 226
Decimal	5759703
CIELab	82.55, -39.80, -5.79
CIELCh	83, 40.217, 188.285
Yxy	61.3252, 0.2430, 0.3434
Android (android.graphics.Color)	4283949783 (0xFF57E2D7)
YUV	183.1850, 15.6848, -84.3542
Hunter-Lab	78.3104, -38.1347, -1.0880

Details

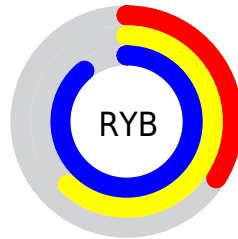
The RGB color **87, 226, 215** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **226, 87, 98**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **150, 255, 255**, and **0, 170, 160** is the 20% darker color. If you saturate the color by 10%, you get **64, 226, 213**, and if you desaturate by 10%, it is **110, 226, 217**.

Distribution



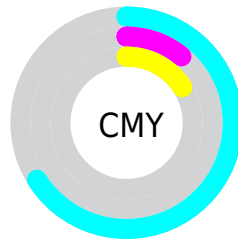
- Red (34%)
- Green (89%)
- Blue (84%)



- Red (34%)
- Yellow (62%)
- Blue (89%)



- Cyan (62%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



















- Cyan (66%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 226, 215 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, 226, 215 by changing the saturation by 10% instead.

 87, 226, 215	 87, 226, 215
 255, 255, 255	 49, 198, 187
 150, 255, 255	 0, 170, 160
 181, 255, 255	 0, 143, 134
 211, 255, 255	 0, 117, 109
 242, 255, 255	 0, 91, 85
	 0, 67, 62
	 0, 44, 40
	 0, 17, 20
	 0, 0, 0

■ 87, 226, 215

■ 87, 226, 215

■ 64, 226, 213

■ 110, 226, 217

■ 42, 226, 211

■ 132, 226, 219

■ 19, 226, 210

■ 155, 226, 220

■ 0, 226, 208

■ 177, 226, 222

■ 200, 226, 224

■ 223, 226, 226

■ 245, 226, 228

■ 255, 226, 229

■ 255, 226, 231

Harmonies

Analogous

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



134, 224, 176



87, 226, 215



66, 224, 251

Triad

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



87, 226, 215



224, 192, 255



254, 194, 136

Complementary

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



87, 226, 215



226, 87, 98

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, 182, 160



87, 226, 215



255, 180, 234

Square

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



87, 226, 215



169, 206, 255



255, 176, 196



221, 207, 130

Rectangle

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



87, 226, 215



89, 220, 255



255, 176, 196



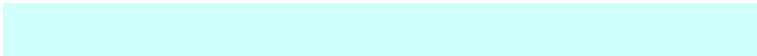
255, 189, 142

Sweetspot

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



87, 226, 215



209, 255, 251



99, 226, 87



99, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



87, 226, 215



66, 255, 240



87, 168, 226



101, 112, 111



0, 176, 162



0, 48, 45

Inverse Universe

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



226, 87, 98



255, 66, 81



226, 145, 87



112, 101, 102



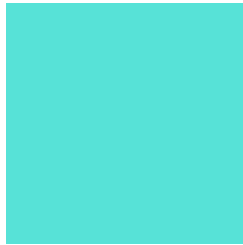
176, 0, 14



48, 0, 4

Previews

White Background



This preview shows how the RGB color 87, 226, 215 looks on a white background.

Color Contrast Check

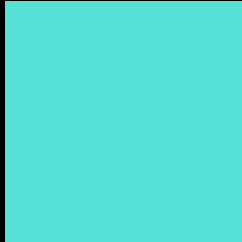
Large Text (above 18pt) WCAG AA × Fail

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, 226, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

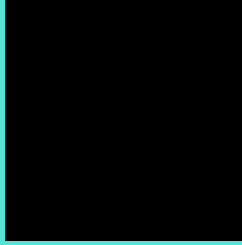
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

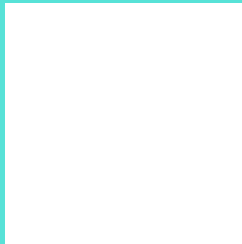
Any Text WCAG AAA ✓ Pass

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

RGB 87, 226, 215 Background



This preview shows how black text looks on a background with the RGB color 87, 226, 215.

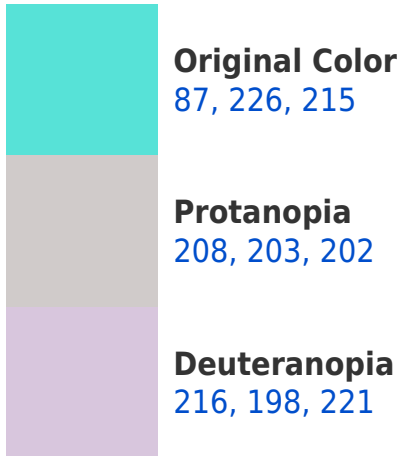


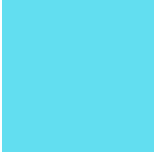
This preview shows how white text looks on a background with the RGB color 87, 226, 215.

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



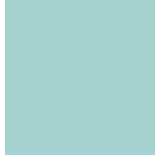


Tritanopia
98, 222, 240

Trichromacy



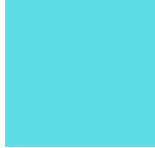
Original Color
87, 226, 215



Protanomaly
164, 211, 207



Deuteranomaly
169, 208, 219

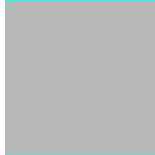


Tritanomaly
94, 223, 231

Monochromacy



Original Color
87, 226, 215



Achromatopsia
183, 183, 183



Achromatomaly
148, 199, 195

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 226, 215 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, 226, 215)` looks like.

```
.text, #text, p{  
    color:rgb(87, 226, 215)  
}
```

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, 226, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 226, 215) }
```

Border

The CSS property to change the border of an element to RGB 87, 226, 215 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, 226, 215) }
```

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

```
.border{ border-color:rgb(87, 226, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 226, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 226, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 226, 215);  
box-shadow:4px 4px 4px 4px rgb(87, 226,  
215) }
```

Background

The CSS property to change the background color of an element to RGB 87, 226, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 226, 215) }
```

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

```
.background{ background-color: rgb(87, 226,  
215) }
```

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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