

Converting Colors

RGB(85, 221, 184)

Have a look what the booklet for
RGB(85, 221, 184) contains.

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Color

RGB(85, 221, 184)

Conversions

Conversions Part 1

Format	Color
Hex	55DDB8
RGB	85, 221, 184
RGB Percent	33%, 87%, 72%
CMY	0.6667, 0.1333, 0.2784
CMYK	0.62, 0.00, 0.17, 0.13
HSL	164°, 67%, 60%
HSV	164°, 62%, 87%
XYZ	38.2545, 57.1049, 54.3535
YIQ	176.1180, -69.1790, -40.3390

Conversions

Conversions Part 2

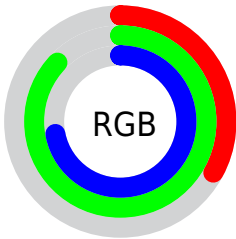
Format	Color
RYB	85, 164, 221
Decimal	5627320
CIELab	80.24, -45.66, 7.27
CIELCh	80, 46.234, 170.948
Yxy	57.1049, 0.2555, 0.3814
Android (android.graphics.Color)	4283817400 (0xFF55DDB8)
YUV	176.1180, 3.8858, -79.9105
Hunter-Lab	75.5678, -41.8820, 10.2520

Details

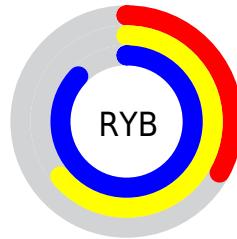
The RGB color **85, 221, 184** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **221, 85, 122**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **147, 255, 240**, and **0, 165, 131** is the 20% darker color. If you saturate the color by 10%, you get **63, 221, 178**, and if you desaturate by 10%, it is **107, 221, 190**.

Distribution



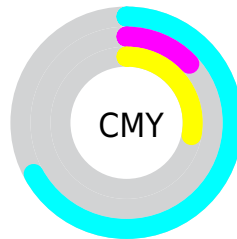
- Red (33%)
- Green (87%)
- Blue (72%)



- Red (33%)
- Yellow (64%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)



















- Cyan (67%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RGB color 85, 221, 184 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 85, 221, 184 by changing the saturation by 10% instead.

 85, 221, 184	 85, 221, 184
 255, 255, 255	 49, 193, 157
 147, 255, 240	 0, 165, 131
 177, 255, 255	 0, 138, 106
 207, 255, 255	 0, 112, 82
 237, 255, 255	 0, 87, 59
	 0, 62, 37
	 0, 41, 16
	 0, 2, 0
	 0, 0, 0

■ 85, 221, 184

■ 85, 221, 184

■ 63, 221, 178

■ 107, 221, 190

■ 41, 221, 172

■ 129, 221, 196

■ 19, 221, 166

■ 151, 221, 202

■ 0, 221, 161

■ 173, 221, 208

■ 195, 221, 214

■ 218, 221, 220

■ 240, 221, 226

■ 255, 221, 232

■ 255, 221, 238

Harmonies

Analogous

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



146, 216, 143



85, 221, 184



0, 222, 228

Triad

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



85, 221, 184



184, 193, 255



255, 177, 134

Complementary

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



85, 221, 184



221, 85, 122

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, 166, 170



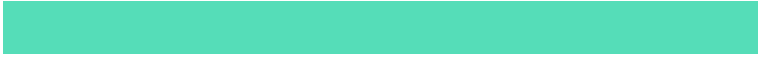
85, 221, 184



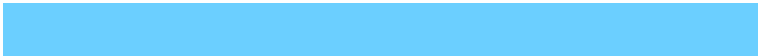
240, 177, 254

Square

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



85, 221, 184



107, 207, 255



255, 166, 214



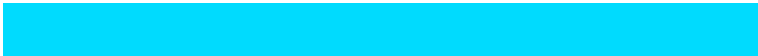
238, 192, 113

Rectangle

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



85, 221, 184



0, 219, 254



255, 166, 214



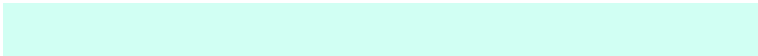
255, 172, 144

Sweetspot

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



85, 221, 184



209, 255, 243



124, 221, 85



99, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



85, 221, 184



66, 255, 204



85, 192, 221



99, 110, 107



0, 173, 126



0, 46, 33

Inverse Universe

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



221, 85, 122



255, 66, 118



221, 114, 85



110, 99, 102



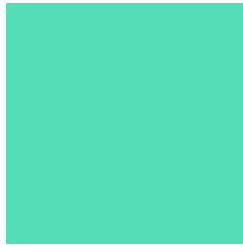
173, 0, 47



46, 0, 12

Previews

White Background



This preview shows how the RGB color 85, 221, 184 looks on a white background.

Color Contrast Check

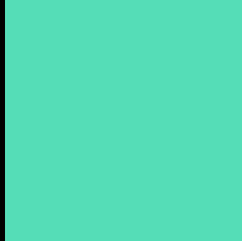
Large Text (above 18pt) WCAG AA × Fail

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 85, 221, 184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

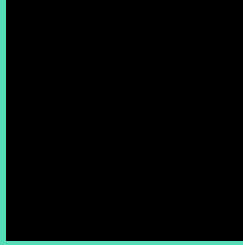
Any Text WCAG AA ✓ Pass

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 85, 221, 184 Background



This preview shows how black text looks on a background with the RGB color 85, 221, 184.



This preview shows how white text looks on a background with the RGB color 85, 221, 184.

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
103, 214, 232

Trichromacy



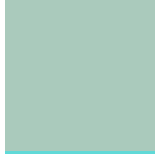
Original Color

85, 221, 184



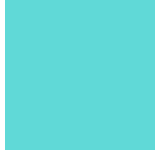
Protanomaly

163, 206, 176



Deuteranomaly

170, 202, 188



Tritanomaly

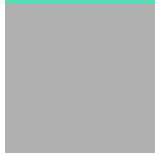
96, 217, 215

Monochromacy



Original Color

85, 221, 184



Achromatopsia

176, 176, 176



Achromatomaly

143, 192, 179

CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 221, 184 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(85, 221, 184)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 184)  
}
```

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(85, 221, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 184) }
```

Border

The CSS property to change the border of an element to RGB 85, 221, 184 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(85, 221, 184) }
```

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

```
.border{ border-color:rgb(85, 221, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 221, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 184);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
184) }
```

Background

The CSS property to change the background color of an element to RGB 85, 221, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 184) }
```

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

```
.background{ background-color: rgb(85, 221,  
184) }
```

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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