

Converting Colors

RGB(83, 225, 193)

Have a look what the booklet for
RGB(83, 225, 193) contains.

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Color

RGB(83, 225, 193)

Conversions

Conversions Part 1

Format	Color
Hex	53E1C1
RGB	83, 225, 193
RGB Percent	33%, 88%, 76%
CMY	0.6745, 0.1176, 0.2431
CMYK	0.63, 0.00, 0.14, 0.12
HSL	166°, 70%, 60%
HSV	166°, 63%, 88%
XYZ	40.1181, 59.5397, 59.8299
YIQ	178.8940, -74.3600, -40.0560

Conversions

Conversions Part 2

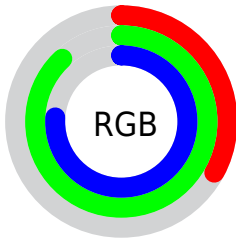
Format	Color
RYB	83, 163, 225
Decimal	5497281
CIELab	81.59, -45.57, 4.44
CIELCh	82, 45.788, 174.435
Yxy	59.5397, 0.2515, 0.3733
Android (android.graphics.Color)	4283687361 (0xFF53E1C1)
YUV	178.8940, 6.9543, -84.0990
Hunter-Lab	77.1620, -42.2275, 8.0410

Details

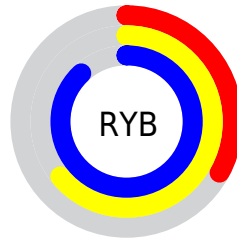
The RGB color **83, 225, 193** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted cyan. A complement of this color would be **225, 83, 115**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **146, 255, 249**, and **0, 169, 140** is the 20% darker color. If you saturate the color by 10%, you get **60, 225, 188**, and if you desaturate by 10%, it is **106, 225, 198**.

Distribution



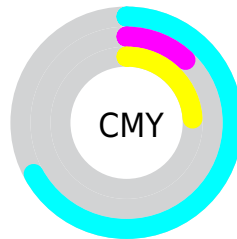
- Red (33%)
- Green (88%)
- Blue (76%)



- Red (33%)
- Yellow (64%)
- Blue (88%)



- Cyan (63%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)



















- Cyan (67%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RGB color 83, 225, 193 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 83, 225, 193 by changing the saturation by 10% instead.

 83, 225, 193	 83, 225, 193
 255, 255, 255	 45, 197, 166
 146, 255, 249	 0, 169, 140
 176, 255, 255	 0, 142, 114
 207, 255, 255	 0, 115, 90
 237, 255, 255	 0, 90, 66
	 0, 65, 44
	 0, 43, 24
	 0, 11, 0
	 0, 0, 0

 83, 225, 193

 83, 225, 193

 60, 225, 188

 106, 225, 198

 38, 225, 183

 128, 225, 203

 16, 225, 178

 151, 225, 208

 0, 225, 174

 173, 225, 213

 195, 225, 218

 218, 225, 223

 240, 225, 228

 255, 225, 234

 255, 225, 239

Harmonies

Analogous

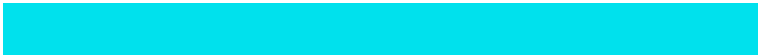
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



144, 220, 151



83, 225, 193



0, 225, 237

Triad

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



83, 225, 193



196, 195, 255



255, 182, 134

Complementary

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



83, 225, 193



225, 83, 115

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, 169



83, 225, 193



249, 179, 253

Square

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



83, 225, 193



123, 209, 255



255, 170, 213



238, 197, 117

Rectangle

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



83, 225, 193



0, 222, 255



255, 170, 213



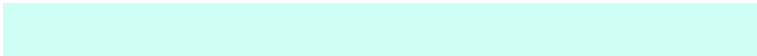
255, 178, 145

Sweetspot

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



83, 225, 193



207, 255, 244



116, 225, 83



98, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



83, 225, 193



61, 255, 211



83, 187, 225



101, 112, 110



0, 176, 136



0, 48, 38

Inverse Universe

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



225, 83, 115



255, 61, 105



225, 121, 83



112, 101, 104



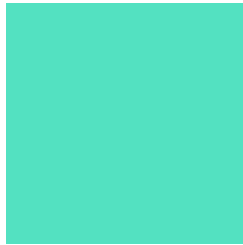
176, 0, 40



48, 0, 11

Previews

White Background



This preview shows how the RGB color 83, 225, 193 looks on a white background.

Color Contrast Check

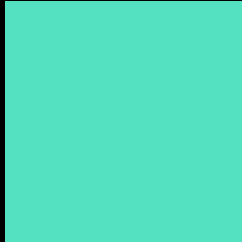
Large Text (above 18pt) WCAG AA × Fail

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 83, 225, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

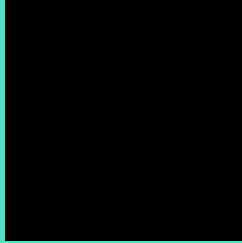
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

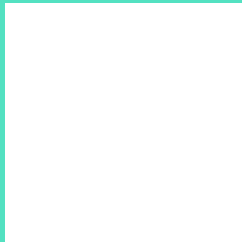
Any Text WCAG AAA ✓ Pass

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

RGB 83, 225, 193 Background



This preview shows how black text looks on a background with the RGB color 83, 225, 193.

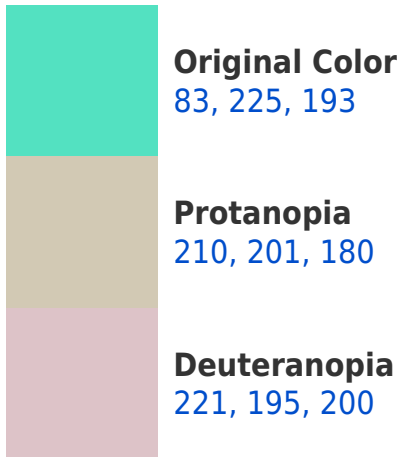


This preview shows how white text looks on a background with the RGB color 83, 225, 193.

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, 219, 237

Trichromacy



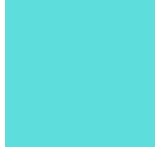
Original Color
83, 225, 193



Protanomaly
164, 210, 185



Deuteranomaly
171, 206, 197

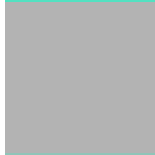


Tritanomaly
94, 221, 221

Monochromacy



Original Color
83, 225, 193



Achromatopsia
179, 179, 179



Achromatomaly
144, 196, 184

CSS Examples

Text

The CSS property to change the color of the text to RGB 83, 225, 193 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(83, 225, 193)` looks like.

```
.text, #text, p{  
    color:rgb(83, 225, 193)  
}
```

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(83, 225, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 225, 193) }
```

Border

The CSS property to change the border of an element to RGB 83, 225, 193 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(83, 225, 193) }
```

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

```
.border{ border-color:rgb(83, 225, 193) }
```

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

Here you see how a box with a 4 pixel rgb(83, 225, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 225, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 225, 193);  
box-shadow:4px 4px 4px 4px rgb(83, 225,  
193) }
```

Background

The CSS property to change the background color of an element to RGB 83, 225, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 225, 193) }
```

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

```
.background{ background-color: rgb(83, 225,  
193) }
```

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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