

Converting Colors

RGB(85, 198, 217)

Have a look what the booklet for
RGB(85, 198, 217) contains.

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Color

RGB(85, 198, 217)

Conversions

Conversions Part 1

Format	Color
Hex	55C6D9
RGB	85, 198, 217
RGB Percent	33%, 78%, 85%
CMY	0.6667, 0.2235, 0.1490
CMYK	0.61, 0.09, 0.00, 0.15
HSL	189°, 63%, 59%
HSV	189°, 61%, 85%
XYZ	36.4648, 47.3292, 72.8592
YIQ	166.3790, -73.4470, -18.0470

Conversions

Conversions Part 2

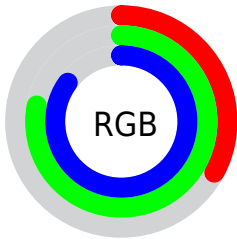
Format	Color
RYB	85, 146, 217
Decimal	5621465
CIELab	74.40, -26.34, -19.07
CIElCh	74, 32.520, 215.905
Yxy	47.3292, 0.2328, 0.3021
Android (android.graphics.Color)	4283811545 (0xFF55C6D9)
YUV	166.3790, 24.9562, -71.3694
Hunter-Lab	68.7962, -25.7812, -14.6342

Details

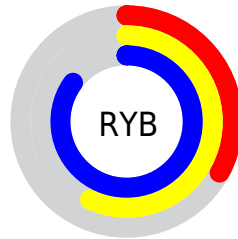
The RGB color **85, 198, 217** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **217, 104, 85**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **147, 255, 255**, and **0, 144, 162** is the 20% darker color. If you saturate the color by 10%, you get **63, 195, 217**, and if you desaturate by 10%, it is **107, 201, 217**.

Distribution



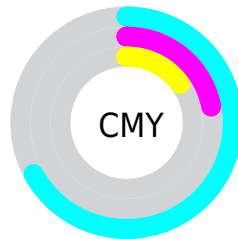
- Red (33%)
- Green (78%)
- Blue (85%)



- Red (33%)
- Yellow (57%)
- Blue (85%)



- Cyan (61%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



















- Cyan (67%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 85, 198, 217 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, 198, 217 by changing the saturation by 10% instead.

 85, 198, 217	 85, 198, 217
 255, 255, 255	 49, 171, 189
 147, 255, 255	 0, 144, 162
 176, 255, 255	 0, 118, 136
 206, 255, 255	 0, 93, 110
 237, 255, 255	 0, 69, 86
	 0, 46, 63
	 0, 26, 41
	 0, 1, 20
	 0, 0, 0

■ 85, 198, 217

■ 85, 198, 217

■ 63, 195, 217

■ 107, 201, 217

■ 42, 192, 217

■ 128, 204, 217

■ 20, 189, 217

■ 150, 207, 217

■ 0, 186, 217

■ 172, 210, 217

■ 194, 214, 217

■ 215, 217, 217

■ 237, 220, 217

■ 255, 223, 217

■ 255, 226, 217

Harmonies

Analogous

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



98, 200, 188



85, 198, 217



109, 193, 237

Triad

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



85, 198, 217



226, 164, 208



198, 183, 123

Complementary

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



85, 198, 217



217, 104, 85

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.



224, 173, 129



85, 198, 217



241, 161, 178

Square

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



85, 198, 217



195, 173, 231



240, 164, 149



166, 192, 134

Rectangle

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



85, 198, 217



137, 187, 242



240, 164, 149



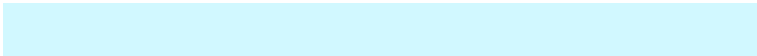
208, 180, 123

Sweetspot

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



85, 198, 217



209, 248, 255



85, 217, 103



99, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 198, 217



69, 228, 255



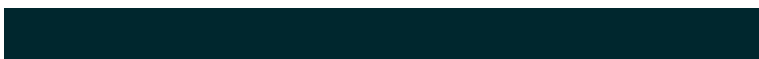
85, 133, 217



99, 108, 110



0, 148, 173



0, 39, 46

Inverse Universe

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



217, 85, 198



255, 69, 228



217, 169, 85



110, 99, 108



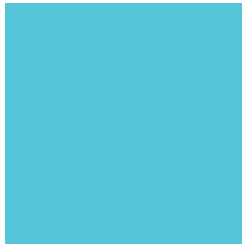
173, 0, 148



46, 0, 39

Previews

White Background



This preview shows how the RGB color 85, 198, 217 looks on a white background.

Color Contrast Check

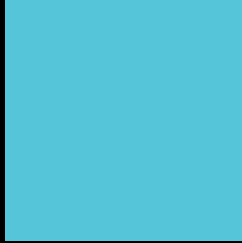
Large Text (above 18pt) WCAG AA × Fail

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, 198, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

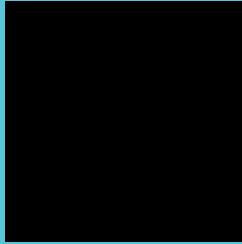
Any Text WCAG AA ✓ Pass

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, 198, 217 Background



This preview shows how black text looks on a background with the RGB color 85, 198, 217.

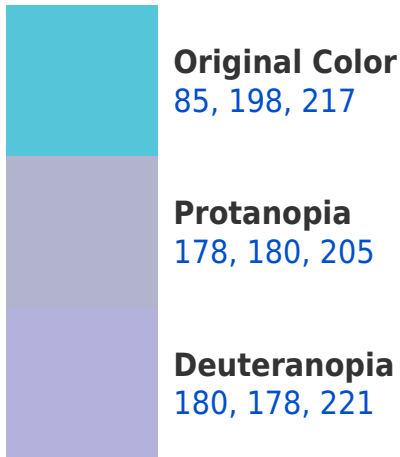


This preview shows how white text looks on a background with the RGB color 85, 198, 217.

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
84, 198, 214

Trichromacy



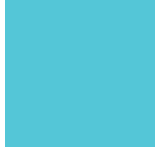
Original Color
85, 198, 217



Protanomaly
144, 187, 209



Deuteranomaly
145, 185, 220

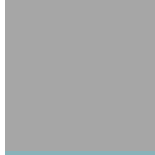


Tritanomaly
84, 198, 215

Monochromacy



Original Color
85, 198, 217



Achromatopsia
166, 166, 166



Achromatomaly
137, 178, 185

CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 198, 217 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, 198, 217)` looks like.

```
.text, #text, p{  
    color:rgb(85, 198, 217)  
}
```

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, 198, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 198, 217) }
```

Border

The CSS property to change the border of an element to RGB 85, 198, 217 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, 198, 217) }
```

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

```
.border{ border-color:rgb(85, 198, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 198, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 198, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 198, 217);  
box-shadow:4px 4px 4px 4px rgb(85, 198,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 85, 198, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 198, 217) }
```

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

```
.background{ background-color: rgb(85, 198,  
217) }
```

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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