

Converting Colors

RGB(85, 217, 230)

Have a look what the booklet for
RGB(85, 217, 230) contains.

RGB(85, 217, 230)	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(85, 217, 230)

Conversions

Conversions Part 1

Format	Color
Hex	55D9E6
RGB	85, 217, 230
RGB Percent	33%, 85%, 90%
CMY	0.6667, 0.1490, 0.0980
CMYK	0.63, 0.06, 0.00, 0.10
HSL	185°, 74%, 62%
HSV	185°, 63%, 90%
XYZ	42.8421, 57.2702, 83.6591
YIQ	179.0140, -82.8450, -23.9410

Conversions

Conversions Part 2

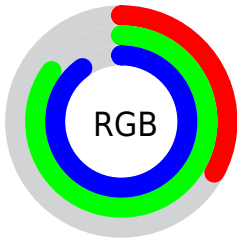
Format	Color
R_{YB}	85, 154, 230
Decimal	5626342
CIE _{Lab}	80.33, -31.85, -17.09
CIE _{LCh}	80, 36.151, 208.217
Yxy	57.2702, 0.2331, 0.3116
Android (android.graphics.Color)	4283816422 (0xFF55D9E6)
YUV	179.0140, 25.1361, -82.4503
Hunter-Lab	75.6771, -31.3829, -12.5697

Details

The RGB color **85, 217, 230** 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 **230, 98, 85**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **149, 255, 255**, and **0, 162, 175** is the 20% darker color. If you saturate the color by 10%, you get **62, 215, 230**, and if you desaturate by 10%, it is **108, 219, 230**.

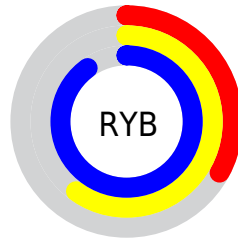
Distribution



Red (33%)

Green (85%)

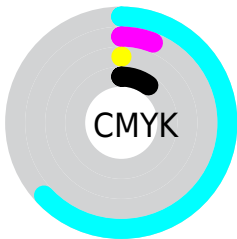
Blue (90%)



Red (33%)

Yellow (60%)

Blue (90%)

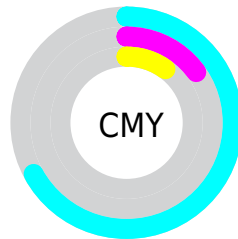


Cyan (63%)

Magenta (6%)

Yellow (0%)

Black (10%)



Cyan (67%)

















Magenta (15%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 85, 217, 230 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, 217, 230 by changing the saturation by 10% instead.

 85, 217, 230	 85, 217, 230
 255, 255, 255	 46, 189, 202
 149, 255, 255	 0, 162, 175
 180, 255, 255	 0, 135, 148
 210, 255, 255	 0, 109, 122
 241, 255, 255	 0, 85, 97
	 0, 61, 73
	 0, 39, 51
	 0, 4, 30
	 0, 0, 1

■ 85, 217, 230

■ 85, 217, 230

■ 62, 215, 230

■ 108, 219, 230

■ 39, 213, 230

■ 131, 221, 230

■ 16, 211, 230

■ 154, 223, 230

■ 0, 209, 230

■ 177, 225, 230

■ 200, 227, 230

■ 223, 229, 230

■ 246, 231, 230

■ 255, 233, 230

■ 255, 236, 230

Harmonies

Analogous

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



110, 218, 196



85, 217, 230



103, 212, 255

Triad

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



85, 217, 230



240, 180, 235



224, 196, 132

Complementary

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



85, 217, 230



230, 98, 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.



252, 185, 143



85, 217, 230



255, 174, 203

Square

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



85, 217, 230



201, 191, 255



255, 176, 169



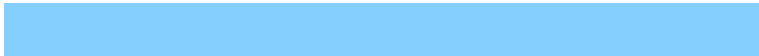
189, 207, 139

Rectangle

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



85, 217, 230



133, 207, 255



255, 176, 169



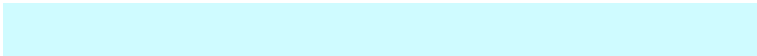
235, 193, 133

Sweetspot

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



85, 217, 230



207, 251, 255



85, 230, 97



98, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 217, 230



61, 238, 255



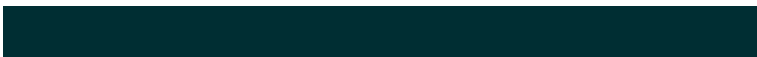
85, 145, 230



103, 114, 115



0, 162, 179



0, 46, 51

Inverse Universe

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



230, 85, 217



255, 61, 238



230, 170, 85



115, 103, 114



179, 0, 162



51, 0, 46

Previews

White Background



This preview shows how the RGB color 85, 217, 230 looks on a white background.

Color Contrast Check

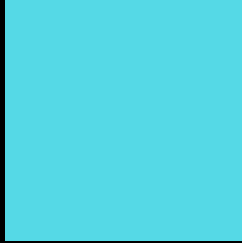
Large Text (above 18pt) WCAG AA × Fail

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, 217, 230 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, 217, 230 Background



This preview shows how black text looks on a background with the RGB color 85, 217, 230.

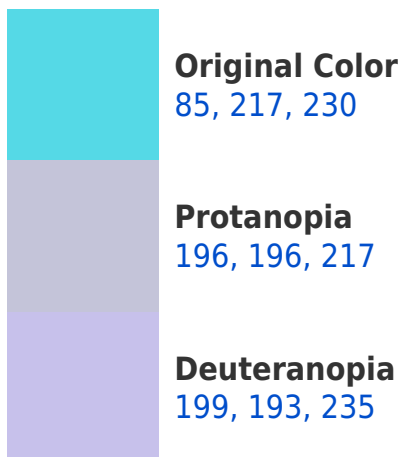


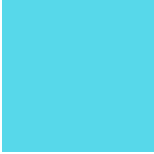
This preview shows how white text looks on a background with the RGB color 85, 217, 230.

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
87, 216, 234

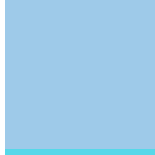
Trichromacy



Original Color
85, 217, 230



Protanomaly
156, 204, 222



Deuteranomaly
158, 202, 233

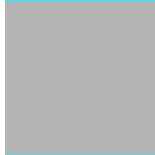


Tritanomaly
86, 216, 233

Monochromacy



Original Color
85, 217, 230



Achromatopsia
179, 179, 179



Achromatomaly
145, 193, 198

CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 217, 230 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, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(85, 217, 230)  
}
```

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, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 217, 230) }
```

Border

The CSS property to change the border of an element to RGB 85, 217, 230 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, 217, 230) }
```

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

```
.border{ border-color:rgb(85, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(85, 217,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 85, 217, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 217, 230) }
```

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

```
.background{ background-color: rgb(85, 217,  
230) }
```

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