

Converting Colors

RGB(87, 208, 208)

Have a look what the booklet for
RGB(87, 208, 208) contains.

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Color

RGB(87, 208, 208)

Conversions

Conversions Part 1

Format	Color
Hex	57D0D0
RGB	87, 208, 208
RGB Percent	34%, 82%, 82%
CMY	0.6588, 0.1843, 0.1843
CMYK	0.58, 0.00, 0.00, 0.18
HSL	180°, 56%, 58%
HSV	180°, 58%, 82%
XYZ	37.8715, 51.6921, 67.6560
YIQ	171.8210, -72.1160, -25.6520

Conversions

Conversions Part 2

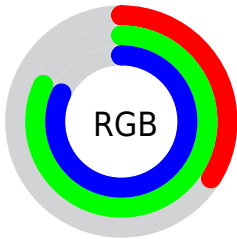
Format	Color
RYB	87, 148, 208
Decimal	5755088
CIELab	77.10, -33.35, -10.15
CIELCh	77, 34.862, 196.934
Yxy	51.6921, 0.2409, 0.3288
Android (android.graphics.Color)	4283945168 (0xFF57D0D0)
YUV	171.8210, 17.8362, -74.3880
Hunter-Lab	71.8972, -31.7960, -5.4645

Details

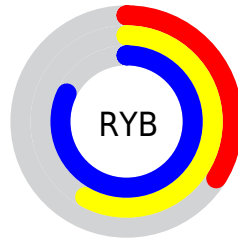
The RGB color **87, 208, 208** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **208, 87, 87**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **148, 255, 255**, and **0, 153, 154** is the 20% darker color. If you saturate the color by 10%, you get **66, 208, 208**, and if you desaturate by 10%, it is **108, 208, 208**.

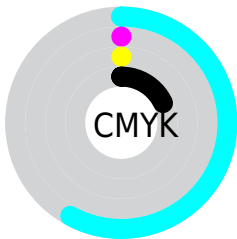
Distribution



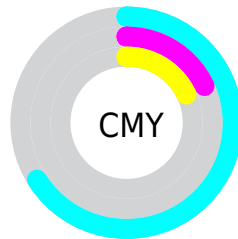
- Red (34%)
- Green (82%)
- Blue (82%)



- Red (34%)
- Yellow (58%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



















- Cyan (66%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 208, 208 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, 208, 208 by changing the saturation by 10% instead.

 87, 208, 208	 87, 208, 208
 255, 255, 255	 52, 180, 180
 148, 255, 255	 0, 153, 154
 178, 255, 255	 0, 127, 128
 208, 255, 255	 0, 101, 103
 238, 255, 255	 0, 77, 79
	 0, 53, 56
	 0, 33, 34
	 0, 0, 12
	 0, 0, 0

87, 208, 208

87, 208, 208

66, 208, 208

108, 208, 208

45, 208, 208

129, 208, 208

25, 208, 208

149, 208, 208

4, 208, 208

170, 208, 208

0, 208, 208

191, 208, 208

212, 208, 208

233, 208, 208

253, 208, 208

255, 208, 208

Harmonies

Analogous

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



119, 207, 175



87, 208, 208



86, 205, 236

Triad

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



87, 208, 208



217, 176, 235



225, 184, 128

Complementary

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



87, 208, 208



208, 87, 87

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.



247, 173, 145



87, 208, 208



245, 168, 206

Square

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



87, 208, 208



175, 187, 252



255, 167, 173



194, 194, 128

Rectangle

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



87, 208, 208



110, 201, 249



255, 167, 173



234, 180, 132

Sweetspot

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



87, 208, 208



212, 255, 255



87, 208, 87



102, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 208, 208



77, 255, 255



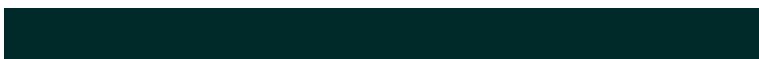
87, 148, 208



94, 105, 105



0, 168, 168



0, 41, 41

Inverse Universe

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



208, 87, 208



255, 77, 255



208, 148, 87



105, 94, 105



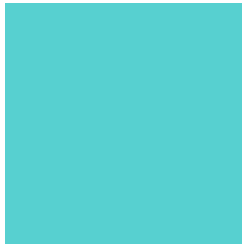
168, 0, 168



41, 0, 41

Previews

White Background



This preview shows how the RGB color 87, 208, 208 looks on a white background.

Color Contrast Check

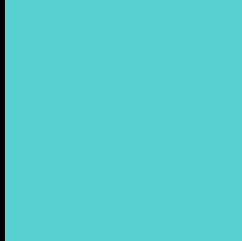
Large Text (above 18pt) WCAG AA × Fail

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, 208, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

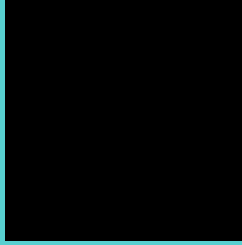
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

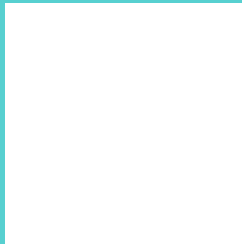
Any Text WCAG AAA ✓ Pass

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

RGB 87, 208, 208 Background



This preview shows how black text looks on a background with the RGB color 87, 208, 208.

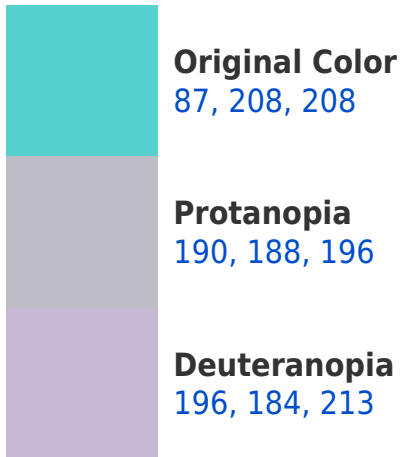


This preview shows how white text looks on a background with the RGB color 87, 208, 208.

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
93, 206, 222

Trichromacy



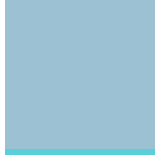
Original Color

87, 208, 208



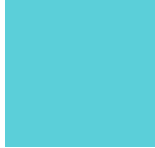
Protanomaly

153, 195, 200



Deuteranomaly

156, 193, 211



Tritanomaly

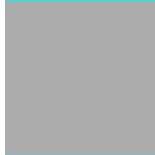
91, 207, 217

Monochromacy



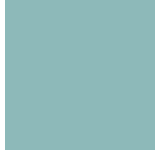
Original Color

87, 208, 208



Achromatopsia

172, 172, 172



Achromatomaly

141, 185, 185

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 208, 208 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, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(87, 208, 208)  
}
```

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, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 208, 208) }
```

Border

The CSS property to change the border of an element to RGB 87, 208, 208 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, 208, 208) }
```

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

```
.border{ border-color:rgb(87, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(87, 208,  
208) }
```

Background

The CSS property to change the background color of an element to RGB 87, 208, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 208, 208) }
```

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

```
.background{ background-color: rgb(87, 208,  
208) }
```

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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