

Converting Colors

RGB(80, 228, 208)

Have a look what the booklet for
RGB(80, 228, 208) contains.

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Color

RGB(80, 228, 208)

Conversions

Conversions Part 1

Format	Color
Hex	50E4D0
RGB	80, 228, 208
RGB Percent	31%, 89%, 82%
CMY	0.6863, 0.1059, 0.1843
CMYK	0.65, 0.00, 0.09, 0.11
HSL	172°, 73%, 60%
HSV	172°, 65%, 89%
XYZ	42.4368, 61.7463, 69.3561
YIQ	181.4680, -81.7880, -37.5960

Conversions

Conversions Part 2

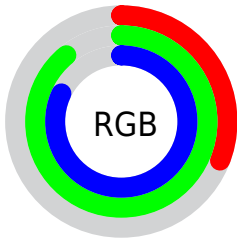
Format	Color
R _Y B	80, 159, 228
Decimal	5301456
CIE Lab	82.78, -43.61, -1.78
CIE LCh	83, 43.651, 182.331
Yxy	61.7463, 0.2445, 0.3558
Android (android.graphics.Color)	4283491536 (0xFF50E4D0)
YUV	181.4680, 13.0803, -88.9874
Hunter-Lab	78.5788, -41.1133, 2.6740

Details

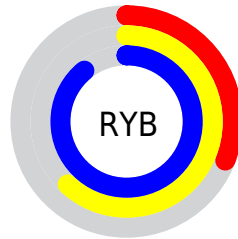
The RGB color **80, 228, 208** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **228, 80, 100**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **145, 255, 255**, and **0, 172, 154** is the 20% darker color. If you saturate the color by 10%, you get **57, 228, 205**, and if you desaturate by 10%, it is **103, 228, 211**.

Distribution



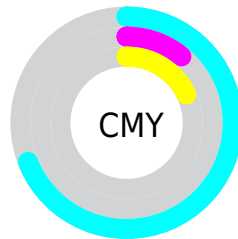
- Red (31%)
- Green (89%)
- Blue (82%)



- Red (31%)
- Yellow (62%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)



















- Cyan (69%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 228, 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 80, 228, 208 by changing the saturation by 10% instead.

 80, 228, 208	 80, 228, 208
 255, 255, 255	 38, 200, 180
 145, 255, 255	 0, 172, 154
 176, 255, 255	 0, 145, 128
 206, 255, 255	 0, 118, 103
 237, 255, 255	 0, 93, 79
	 0, 68, 56
	 0, 45, 35
	 0, 18, 14
	 0, 0, 0

■ 80, 228, 208

■ 80, 228, 208

■ 57, 228, 205

■ 103, 228, 211

■ 34, 228, 202

■ 126, 228, 214

■ 12, 228, 199

■ 148, 228, 217

■ 0, 228, 197

■ 171, 228, 220

■ 194, 228, 223

■ 217, 228, 226

■ 240, 228, 230

■ 255, 228, 233

■ 255, 228, 236

Harmonies

Analogous

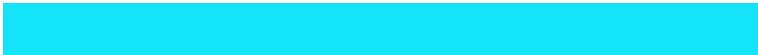
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



137, 225, 167



80, 228, 208



20, 227, 249

Triad

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



80, 228, 208



215, 194, 255



255, 190, 134

Complementary

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



80, 228, 208



228, 80, 100

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, 178, 164



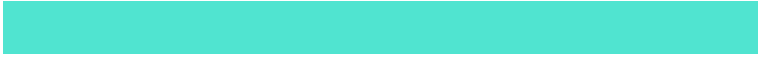
80, 228, 208



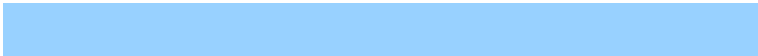
255, 181, 245

Square

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



80, 228, 208



152, 209, 255



255, 174, 204



230, 205, 123

Rectangle

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



80, 228, 208



51, 223, 255



255, 174, 204



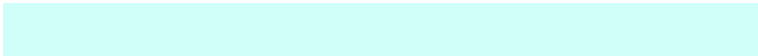
255, 186, 143

Sweetspot

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



80, 228, 208



207, 255, 248



102, 228, 80



98, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



80, 228, 208



56, 255, 228



80, 176, 228



103, 115, 113



0, 179, 154



0, 51, 44

Inverse Universe

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



228, 80, 100



255, 56, 83



228, 132, 80



115, 103, 105



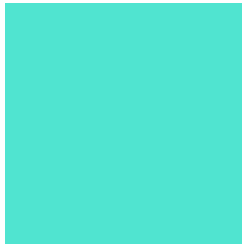
179, 0, 24



51, 0, 7

Previews

White Background



This preview shows how the RGB color 80, 228, 208 looks on a white background.

Color Contrast Check

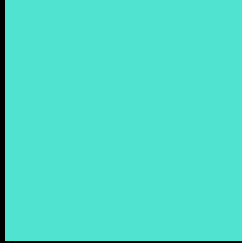
Large Text (above 18pt) WCAG AA × Fail

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 80, 228, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

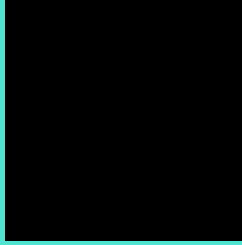
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

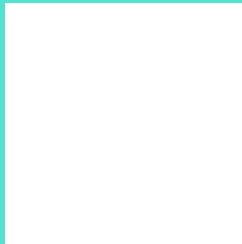
Any Text WCAG AAA ✓ Pass

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

RGB 80, 228, 208 Background



This preview shows how black text looks on a background with the RGB color 80, 228, 208.



This preview shows how white text looks on a background with the RGB color 80, 228, 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



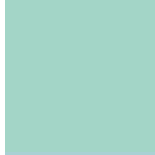


Tritanopia
95, 223, 241

Trichromacy



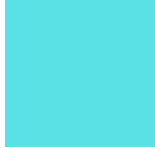
Original Color
80, 228, 208



Protanomaly
163, 213, 199



Deuteranomaly
169, 209, 212

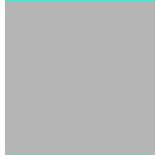


Tritanomaly
90, 225, 229

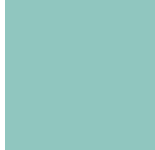
Monochromacy



Original Color
80, 228, 208



Achromatopsia
181, 181, 181



Achromatomaly
144, 198, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 228, 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(80, 228, 208)` looks like.

```
.text, #text, p{  
    color:rgb(80, 228, 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(80, 228, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 228, 208) }
```

Border

The CSS property to change the border of an element to RGB 80, 228, 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(80, 228, 208) }
```

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

```
.border{ border-color:rgb(80, 228, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 228, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 228, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 228, 208);  
box-shadow:4px 4px 4px 4px rgb(80, 228,  
208) }
```

Background

The CSS property to change the background color of an element to RGB 80, 228, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 228, 208) }
```

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

```
.background{ background-color: rgb(80, 228,  
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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