

Converting Colors

RGB(80, 192, 217)

Have a look what the booklet for
RGB(80, 192, 217) contains.

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Color

RGB(80, 192, 217)

Conversions

Conversions Part 1

Format	Color
Hex	50C0D9
RGB	80, 192, 217
RGB Percent	31%, 75%, 85%
CMY	0.6863, 0.2471, 0.1490
CMYK	0.63, 0.12, 0.00, 0.15
HSL	191°, 64%, 58%
HSV	191°, 63%, 85%
XYZ	34.6823, 44.4145, 72.3905
YIQ	161.3620, -74.7770, -15.9690

Conversions

Conversions Part 2

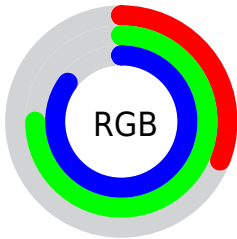
Format	Color
RYB	80, 142, 217
Decimal	5292249
CIELab	72.50, -24.19, -21.96
CIELCh	73, 32.674, 222.236
Yxy	44.4145, 0.2289, 0.2932
Android (android.graphics.Color)	4283482329 (0xFF50C0D9)
YUV	161.3620, 27.4295, -71.3545
Hunter-Lab	66.6442, -23.7342, -17.7513

Details

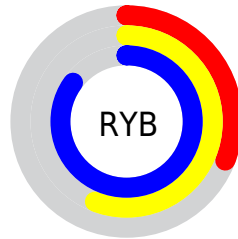
The RGB color **80, 192, 217** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **217, 105, 80**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **142, 249, 255**, and **0, 138, 162** is the 20% darker color. If you saturate the color by 10%, you get **58, 188, 217**, and if you desaturate by 10%, it is **102, 196, 217**.

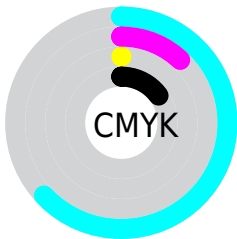
Distribution



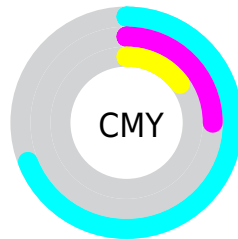
- Red (31%)
- Green (75%)
- Blue (85%)



- Red (31%)
- Yellow (56%)
- Blue (85%)



- Cyan (63%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



















- Cyan (69%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 192, 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 80, 192, 217 by changing the saturation by 10% instead.

 80, 192, 217	 80, 192, 217
 255, 255, 255	 42, 165, 189
 142, 249, 255	 0, 138, 162
 172, 255, 255	 0, 113, 136
 202, 255, 255	 0, 88, 110
 233, 255, 255	 0, 64, 86
	 0, 42, 63
	 0, 18, 41
	 0, 1, 19
	 0, 0, 0

■ 80, 192, 217

■ 80, 192, 217

■ 58, 188, 217

■ 102, 196, 217

■ 37, 184, 217

■ 123, 200, 217

■ 15, 180, 217

■ 145, 204, 217

■ 0, 177, 217

■ 167, 208, 217

■ 188, 212, 217

■ 210, 216, 217

■ 232, 220, 217

■ 254, 224, 217

■ 255, 228, 217

Harmonies

Analogous

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



87, 194, 189



80, 192, 217



111, 186, 234

Triad

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



80, 192, 217



225, 158, 197



186, 180, 119

Complementary

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



80, 192, 217



217, 105, 80

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.



214, 170, 121



80, 192, 217



237, 155, 167

Square

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



80, 192, 217



197, 166, 222



233, 160, 139



153, 188, 133

Rectangle

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



80, 192, 217



141, 180, 237



233, 160, 139



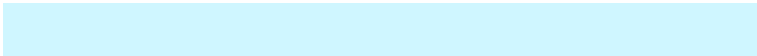
196, 177, 118

Sweetspot

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



80, 192, 217



207, 246, 255



80, 217, 103



98, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 192, 217



61, 220, 255



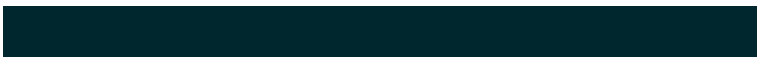
80, 126, 217



99, 108, 110



0, 142, 173



0, 38, 46

Inverse Universe

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



217, 80, 192



255, 61, 220



217, 171, 80



110, 99, 108



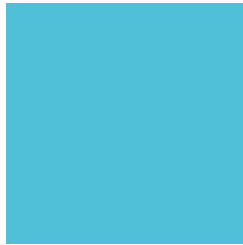
173, 0, 142



46, 0, 38

Previews

White Background



This preview shows how the RGB color 80, 192, 217 looks on a white background.

Color Contrast Check

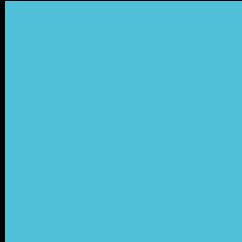
Large Text (above 18pt) WCAG AA × Fail

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 80, 192, 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 80, 192, 217 Background



This preview shows how black text looks on a background with the RGB color 80, 192, 217.



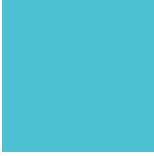
This preview shows how white text looks on a background with the RGB color 80, 192, 217.

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
76, 193, 209

Trichromacy



Original Color
80, 192, 217



Protanomaly
138, 181, 210



Deuteranomaly
138, 180, 220



Tritanomaly
77, 193, 212

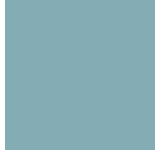
Monochromacy



Original Color
80, 192, 217



Achromatopsia
161, 161, 161



Achromatomaly
132, 172, 181

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 192, 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(80, 192, 217)` looks like.

```
.text, #text, p{  
    color:rgb(80, 192, 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(80, 192, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 192, 217) }
```

Border

The CSS property to change the border of an element to RGB 80, 192, 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(80, 192, 217) }
```

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

```
.border{ border-color:rgb(80, 192, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 192, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 192, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 192, 217);  
box-shadow:4px 4px 4px 4px rgb(80, 192,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 80, 192, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 192, 217) }
```

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

```
.background{ background-color: rgb(80, 192,  
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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