

Converting Colors

RGB(80, 176, 222)

Have a look what the booklet for
RGB(80, 176, 222) contains.

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Color

RGB(80, 176, 222)

Conversions

Conversions Part 1

Format	Color
Hex	50B0DE
RGB	80, 176, 222
RGB Percent	31%, 69%, 87%
CMY	0.6863, 0.3098, 0.1294
CMYK	0.64, 0.21, 0.00, 0.13
HSL	199°, 68%, 59%
HSV	199°, 64%, 87%
XYZ	32.0184, 38.0301, 74.7602
YIQ	152.5400, -71.9820, -6.0460

Conversions

Conversions Part 2

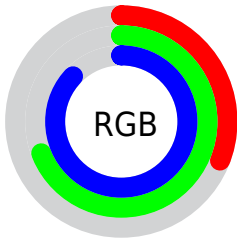
Format	Color
R_{YB}	80, 137, 222
Decimal	5288158
CIE _{Lab}	68.04, -14.35, -31.54
CIE _{LCh}	68, 34.651, 245.534
Yxy	38.0301, 0.2211, 0.2626
Android (android.graphics.Color)	4283478238 (0xFF50B0DE)
YUV	152.5400, 34.2438, -63.6176
Hunter-Lab	61.6685, -15.2424, -28.7088

Details

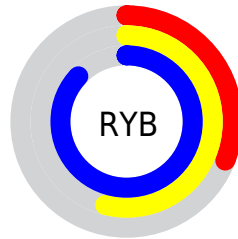
The RGB color **80, 176, 222** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **222, 126, 80**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **142, 232, 255**, and **0, 123, 167** is the 20% darker color. If you saturate the color by 10%, you get **58, 169, 222**, and if you desaturate by 10%, it is **102, 183, 222**.

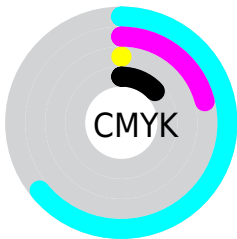
Distribution



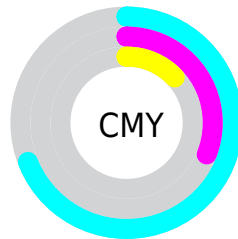
- Red (31%)
- Green (69%)
- Blue (87%)



- Red (31%)
- Yellow (54%)
- Blue (87%)



- Cyan (64%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



















- Cyan (69%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 176, 222 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, 176, 222 by changing the saturation by 10% instead.

 80, 176, 222	 80, 176, 222
 255, 255, 255	 43, 149, 194
 142, 232, 255	 0, 123, 167
 172, 255, 255	 0, 99, 140
 202, 255, 255	 0, 75, 114
 232, 255, 255	 0, 52, 90
	 0, 32, 66
	 0, 3, 44
	 0, 1, 22
	 0, 0, 0

■ 80, 176, 222

■ 80, 176, 222

■ 58, 169, 222

■ 102, 183, 222

■ 36, 162, 222

■ 124, 190, 222

■ 13, 154, 222

■ 147, 198, 222

■ 0, 150, 222

■ 169, 205, 222

■ 191, 212, 222

■ 213, 219, 222

■ 235, 226, 222

■ 255, 234, 222

■ 255, 241, 222

Harmonies

Analogous

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



47, 181, 201



80, 176, 222



131, 167, 228

Triad

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



80, 176, 222



226, 142, 161



148, 175, 114

Complementary

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



80, 176, 222



222, 126, 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.



181, 166, 103



80, 176, 222



225, 146, 131

Square

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



80, 176, 222



210, 146, 192



208, 155, 110



110, 181, 139

Rectangle

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



80, 176, 222



163, 159, 222



208, 155, 110



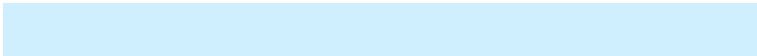
159, 172, 108

Sweetspot

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



80, 176, 222



207, 239, 255



80, 222, 125



98, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 176, 222



59, 191, 255



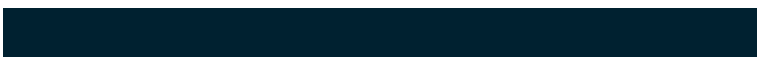
80, 106, 222



101, 109, 112



0, 119, 176



0, 33, 48

Inverse Universe

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



222, 80, 176



255, 59, 191



222, 196, 80



112, 101, 109



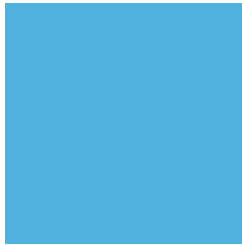
176, 0, 119



48, 0, 33

Previews

White Background



This preview shows how the RGB color 80, 176, 222 looks on a white background.

Color Contrast Check

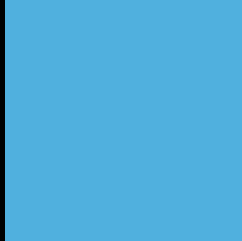
Large Text (above 18pt) WCAG AA × Fail

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, 176, 222 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

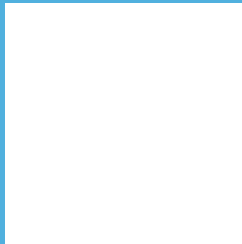
Any Text WCAG AAA ✓ Pass

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

RGB 80, 176, 222 Background



This preview shows how black text looks on a background with the RGB color 80, 176, 222.

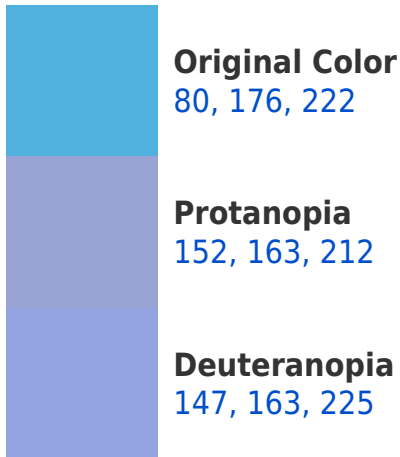


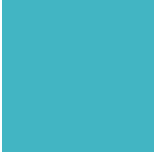
This preview shows how white text looks on a background with the RGB color 80, 176, 222.

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
66, 181, 195

Trichromacy



Original Color
80, 176, 222



Protanomaly
126, 168, 216



Deuteranomaly
123, 168, 224



Tritanomaly
71, 179, 205

Monochromacy



Original Color
80, 176, 222



Achromatopsia
153, 153, 153



Achromatomaly
126, 161, 178

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 176, 222 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, 176, 222)` looks like.

```
.text, #text, p{  
    color:rgb(80, 176, 222)  
}
```

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, 176, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 176, 222) }
```

Border

The CSS property to change the border of an element to RGB 80, 176, 222 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, 176, 222) }
```

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

```
.border{ border-color:rgb(80, 176, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 176, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 176, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 176, 222);  
box-shadow:4px 4px 4px 4px rgb(80, 176,  
222) }
```

Background

The CSS property to change the background color of an element to RGB 80, 176, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 176, 222) }
```

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

```
.background{ background-color: rgb(80, 176,  
222) }
```

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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