

Converting Colors

RGB(0, 178, 223)

Have a look what the booklet for
RGB(0, 178, 223) contains.

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Color

RGB(0, 178, 223)

Conversions

Conversions Part 1

Format	Color
Hex	00B2DF
RGB	0, 178, 223
RGB Percent	0%, 70%, 87%
CMY	1.0000, 0.3020, 0.1255
CMYK	1.00, 0.20, 0.00, 0.13
HSL	192°, 100%, 44%
HSV	192°, 100%, 87%
XYZ	29.2397, 37.1685, 75.4452
YIQ	129.9080, -120.5330, -23.7410

Conversions

Conversions Part 2

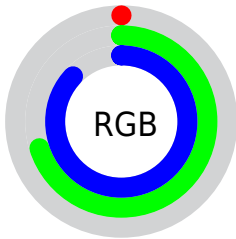
Format	Color
RYB	0, 99, 223
Decimal	45791
CIELab	67.40, -21.96, -33.18
CIELCh	67, 39.791, 236.495
Yxy	37.1685, 0.2061, 0.2620
Android (android.graphics.Color)	4278235871 (0xFF00B2DF)
YUV	129.9080, 45.8944, -113.9293
Hunter-Lab	60.9660, -21.0807, -30.6950

Details

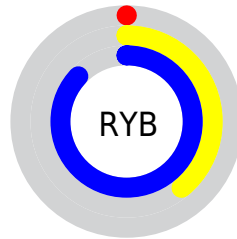
The RGB color **0, 178, 223** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **223, 45, 0**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **106, 234, 255**, and **0, 125, 168** is the 20% darker color. If you saturate the color by 10%, you get **0, 178, 223**, and if you desaturate by 10%, it is **22, 183, 223**.

Distribution



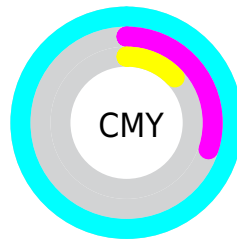
- Red (0%)
- Green (70%)
- Blue (87%)



- Red (0%)
- Yellow (39%)
- Blue (87%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)




















- Cyan (100%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 178, 223 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 0, 178, 223 by changing the saturation by 10% instead.

 0, 178, 223	 0, 178, 223
 255, 255, 255	 0, 151, 195
 106, 234, 255	 0, 125, 168
 139, 255, 255	 0, 100, 141
 171, 255, 255	 0, 76, 115
 202, 255, 255	 0, 53, 91
 234, 255, 255	 0, 33, 67
	 0, 3, 44
	 0, 1, 23
	 0, 0, 0

■ 0, 178, 223

■ 22, 183, 223

■ 45, 187, 223

■ 67, 192, 223

■ 89, 196, 223

■ 112, 201, 223

■ 134, 205, 223

■ 156, 210, 223

■ 178, 214, 223

■ 201, 219, 223

Harmonies

Analogous

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



0, 183, 195



0, 178, 223



101, 169, 235

Triad

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



0, 178, 223



229, 136, 170



155, 172, 98

Complementary

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



0, 178, 223



223, 45, 0

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.



191, 161, 92



0, 178, 223



233, 138, 134

Square

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



0, 178, 223



205, 144, 204



218, 148, 105



112, 179, 123

Rectangle

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



0, 178, 223



143, 161, 233



218, 148, 105



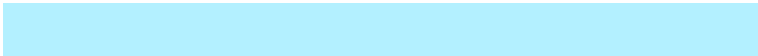
167, 168, 94

Sweetspot

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



0, 178, 223



179, 240, 255



0, 223, 45



82, 118, 128



0, 0, 0



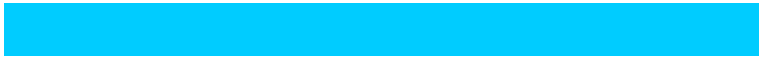
128, 128, 128

Same Dimension

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



0, 178, 223



0, 204, 255



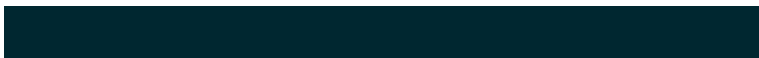
0, 67, 223



101, 110, 112



0, 140, 176



0, 39, 48

Inverse Universe

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



223, 0, 178



255, 0, 204



223, 156, 0



112, 101, 110



176, 0, 140



48, 0, 39

Previews

White Background



This preview shows how the RGB color 0, 178, 223 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 0, 178, 223 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 0, 178, 223 Background



This preview shows how black text looks on a background with the RGB color 0, 178, 223.

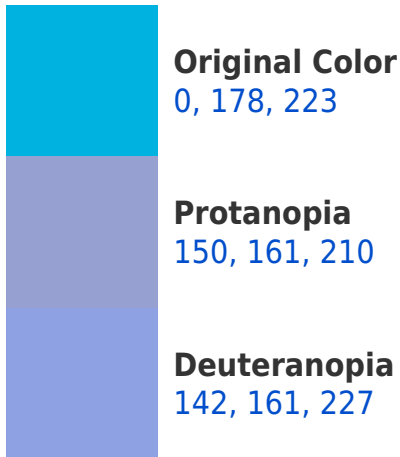


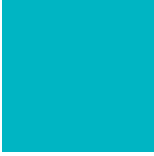
This preview shows how white text looks on a background with the RGB color 0, 178, 223.

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
0, 181, 195

Trichromacy



Original Color

0, 178, 223



Protanomaly

95, 167, 215



Deuteranomaly

90, 167, 226



Tritanomaly

0, 180, 205

Monochromacy



Original Color

0, 178, 223



Achromatopsia

130, 130, 130



Achromatomaly

83, 147, 164

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 178, 223 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(0, 178, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 223)  
}
```

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(0, 178, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 223) }
```

Border

The CSS property to change the border of an element to RGB 0, 178, 223 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(0, 178, 223) }
```

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

```
.border{ border-color:rgb(0, 178, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 0, 178, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 223) }
```

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

```
.background{ background-color: rgb(0, 178,  
223) }
```

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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