Converting Colors

RGB(0, 196, 229)

Have a look what the booklet for RGB(0, 196, 229) contains.

Color

RGB(0, 196, 229)

Conversions

Conversions Part 1

Format	Color
Hex	00C4E5
RGB	0, 196, 229
RGB Percent	0%, 77%, 90%
CMY	1.0000, 0.2314, 0.1020
CMYK	1.00, 0.14, 0.00, 0.10
HSL	189°, 100%, 45%
HSV	189°, 100%, 90%
XYZ	33.8828, 45.1370, 81.0552
YIQ	141.1580, -127.4090, -31.2890

Conversions

Conversions Part 2

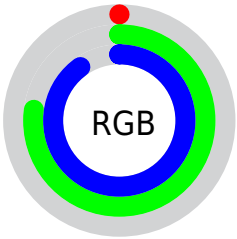
Format	Color
RYB	0, 106, 229
Decimal	50405
CIELab	72.98, -29.02, -27.84
CIELCh	73, 40.214, 223.819
Yxy	45.1370, 0.2117, 0.2820
Android (android.graphics.Color)	4278240485 (0xFF00C4E5)
YUV	141.1580, 43.3061, -123.7956
Hunter-Lab	67.1841, -27.5496, -24.5025

Details

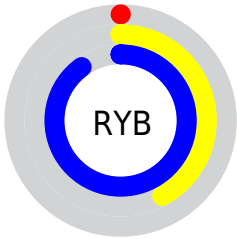
The RGB color 0, 196, 229 is a dark color, and the websafe version is hex 00CCFF. The color can be described as middle washed cyan. A complement of this color would be 229, 33, 0, and the grayscale version is 141, 141, 141.

A 20% lighter version of the original color is 109, 253, 255, and 0, 142, 173 is the 20% darker color. If you saturate the color by 10%, you get 0, 196, 229, and if you desaturate by 10%, it is 23, 199, 229.

Distribution

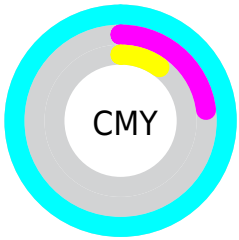


- Red (0%)
- Green (77%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)

- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 196, 229 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, 196, 229 by changing the saturation by 10% instead.

0, 196, 229	0, 196, 229
255, 255, 255	0, 169, 201
109, 253, 255	0, 142, 173
143, 255, 255	0, 116, 147
175, 255, 255	0, 91, 121
207, 255, 255	0, 67, 96
238, 255, 255	0, 44, 72
	0, 21, 49
	0, 2, 28
	0, 0, 0

0, 196, 229

23, 199, 229

46, 203, 229

69, 206, 229

92, 209, 229

115, 212, 229

137, 216, 229

160, 219, 229

183, 222, 229

206, 226, 229

Harmonies

Analogous

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

38, 199, 195

0, 196, 229

88, 189, 249

Triad

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

0, 196, 229

238, 153, 201

186, 182, 106

Complementary

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

0, 196, 229

229, 33, 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.

220, 170, 109

0, 196, 229

251, 151, 163

Square

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

0, 196, 229

205, 163, 232

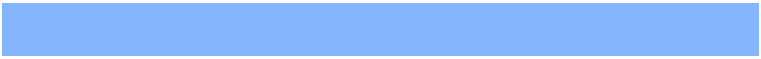
244, 158, 130

145, 192, 125

Rectangle

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

0, 196, 229



133, 181, 252

244, 158, 130

199, 178, 105

Sweetspot

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

0, 196, 229

179, 244, 255

0, 229, 31

82, 121, 128

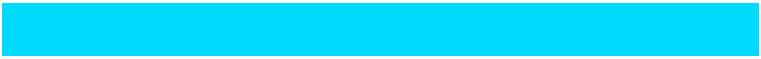
0, 0, 0

128, 128, 128

Same Dimension

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

0, 196, 229



0, 218, 255

0, 84, 229

103, 113, 115

0, 153, 179

0, 44, 51

Inverse Universe

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

229, 0, 196

255, 0, 218

229, 145, 0

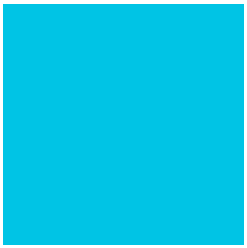
115, 103, 113

179, 0, 153

51, 0, 44

Previews

White Background

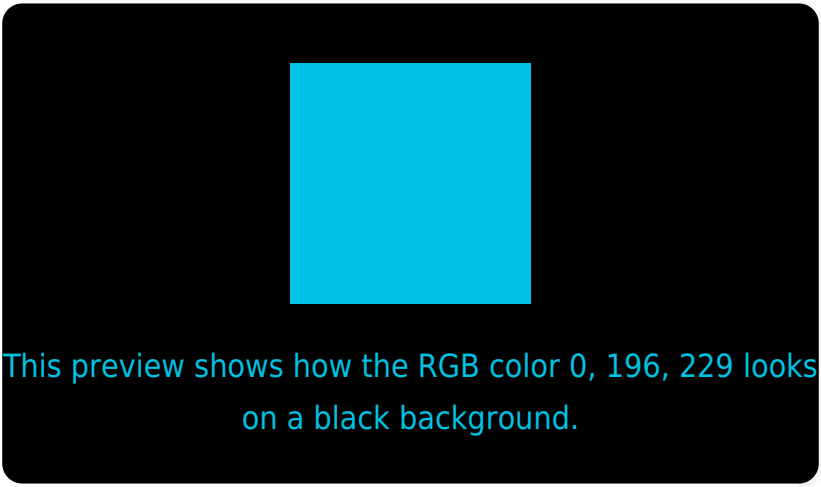


This preview shows how the RGB color 0, 196, 229 looks on a white background.

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



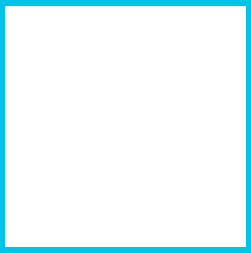
Color Contrast Check

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, 196, 229 Background

This preview shows how black text looks on a background with the RGB color 0, 196, 229.



This preview shows how white text looks on a background with the RGB color 0, 196, 229.

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.

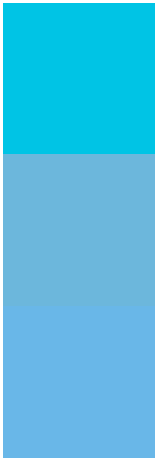
Dichromacy

Original Color
0, 196, 229

Protanopia
169, 176, 215

Deuteranopia
165, 175, 234

Trichromacy



Original Color
0, 196, 229

Protanomaly
108, 183, 220

Deuteranomaly
105, 183, 232

Monochromacy

Original Color
0, 196, 229

Achromatopsia
141, 141, 141

Achromatomaly
90, 161, 173

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 196, 229 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, 196, 229) looks like.

```
.text, #text, p{
    color:rgb(0, 196, 229)
}
```

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, 196, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 229) }
```

Border

The CSS property to change the border of an element to RGB 0, 196, 229 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, 196, 229) }
```

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

```
.border{ border-color:rgb(0, 196, 229) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 196, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 196, 229); box-shadow:4px 4px 4px 4px rgb(0, 196, 229) }
```

Background

The CSS property to change the background color of an element to RGB 0, 196, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 196, 229) }
```

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

```
.background{ background-color:rgb(0, 196,
229) }
```

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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