Converting Colors

RGB(0, 171, 242)

Have a look what the booklet for RGB(0, 171, 242) contains.

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Color

RGB(0, 171, 242)

Conversions

Conversions Part 1

Format	Color
Hex	00ABF2
RGB	0, 171, 242
RGB Percent	0%, 67%, 95%
CMY	1.0000, 0.3294, 0.0510
CMYK	1.00, 0.29, 0.00, 0.05
HSL	198°, 100%, 47%
HSV	198°, 100%, 95%
XYZ	30.5899, 35.5366, 89.2514
YIQ	127.9650, -124.7070, -14.1710

Conversions

Conversions Part 2

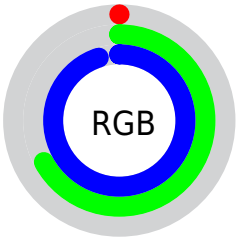
Format	Color
RYB	0, 100, 242
Decimal	44018
CIELab	66.16, -11.51, -45.51
CIELCh	66, 46.945, 255.811
Yxy	35.5366, 0.1969, 0.2287
Android (android.graphics.Color)	4278234098 (0xFF00ABF2)
YUV	127.9650, 56.2193, -112.2253
Hunter-Lab	59.6126, -12.7256, -47.0396

Details

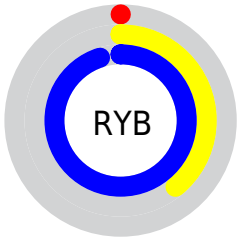
The RGB color 0, 171, 242 is a dark color, and the websafe version is hex 3399CC. The color can be described as middle saturated azure. A complement of this color would be 242, 71, 0, and the grayscale version is 128, 128, 128.

A 20% lighter version of the original color is 109, 226, 255, and 0, 119, 185 is the 20% darker color. If you saturate the color by 10%, you get 0, 171, 242, and if you desaturate by 10%, it is 24, 178, 242.

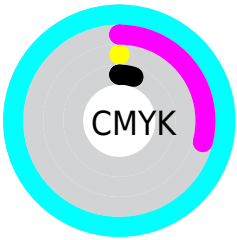
Distribution



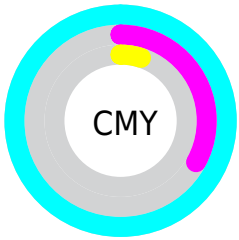
- Red (0%)
- Green (67%)
- Blue (95%)



- Red (0%)
- Yellow (39%)
- Blue (95%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 171, 242 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, 171, 242 by changing the saturation by 10% instead.

0, 171, 242	0, 171, 242
255, 255, 255	0, 145, 213
109, 226, 255	0, 119, 185
143, 255, 255	0, 94, 158
175, 255, 255	0, 71, 132
207, 255, 255	0, 49, 106
239, 255, 255	0, 29, 81
	0, 5, 58
	0, 2, 35
	0, 0, 11

0, 171, 242

24, 178, 242

48, 185, 242

73, 192, 242

97, 199, 242

121, 206, 242

145, 214, 242

169, 221, 242

194, 228, 242

218, 235, 242

Harmonies

Analogous

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

0, 179, 220

0, 171, 242

131, 157, 242

Triad

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

0, 171, 242

241, 126, 140

117, 175, 100

Complementary

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

0, 171, 242

242, 71, 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.

164, 165, 77

0, 171, 242

230, 136, 102

Square

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

0, 171, 242

229, 128, 183

203, 151, 78

47, 181, 139

Rectangle

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

0, 171, 242

175, 147, 229

203, 151, 78

134, 173, 90

Sweetspot

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

0, 171, 242

179, 233, 255

0, 242, 69

82, 114, 128

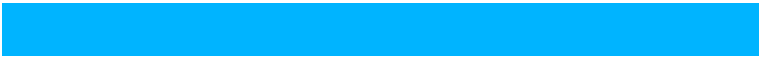
0, 0, 0

128, 128, 128

Same Dimension

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

0, 171, 242



0, 180, 255

0, 52, 242

108, 116, 120

0, 130, 184

0, 40, 56

Inverse Universe

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

242, 0, 171

255, 0, 180

242, 190, 0

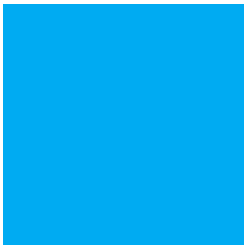
120, 108, 116

184, 0, 130

56, 0, 40

Previews

White Background

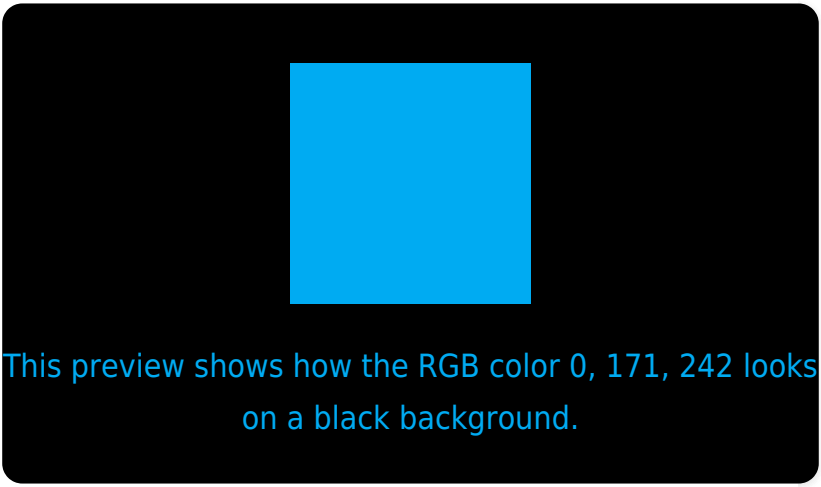


This preview shows how the RGB color 0, 171, 242 looks on a white background.

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



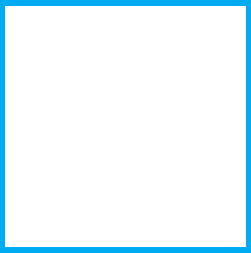
Color Contrast Check

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, 171, 242 Background

This preview shows how black text looks on a background with the RGB color 0, 171, 242.



This preview shows how white text looks on a background with the RGB color 0, 171, 242.

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

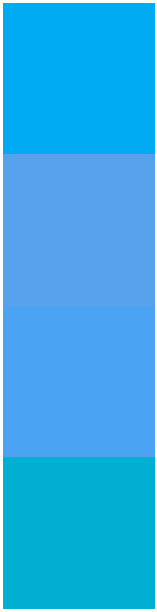
Original Color
0, 171, 242

Protanopia
136, 157, 231

Deuteranopia
118, 159, 245

Tritanopia
0, 178, 191

Trichromacy



Original Color
0, 171, 242

Protanomaly
87, 162, 235

Deuteranomaly
75, 163, 244

Tritanomaly
0, 175, 210

Monochromacy

Original Color
0, 171, 242

Achromatopsia
128, 128, 128

Achromatomaly
81, 144, 169

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 171, 242 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, 171, 242) looks like.

```
.text, #text, p{
    color:rgb(0, 171, 242)
}
```

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, 171, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 242) }
```

Border

The CSS property to change the border of an element to RGB 0, 171, 242 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, 171, 242) }
```

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

```
.border{ border-color:rgb(0, 171, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 171, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 171, 242); box-shadow:4px 4px 4px 4px rgb(0, 171, 242) }
```

Background

The CSS property to change the background color of an element to RGB 0, 171, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 171, 242) }
```

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

```
.background{ background-color:rgb(0, 171,
242) }
```

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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