

Converting Colors

`RYB(0, 107, 246)`

Have a look what the booklet for
RYB(0, 107, 246) contains.

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Color

R_YB(0, 107, 246)

Conversions

Conversions Part 1

Format	Color
Hex	00BDF6
RGB	0, 189, 246
RGB Percent	0%, 74%, 96%
CMY	1.0000, 0.2574, 0.0353
CMYK	1.00, 0.23, 0.00, 0.04
HSL	194°, 100%, 48%
HSV	194°, 100%, 96%
XYZ	34.9112, 43.2071, 93.6886
YIQ	138.9870, -130.9410, -22.3410

Conversions

Conversions Part 2

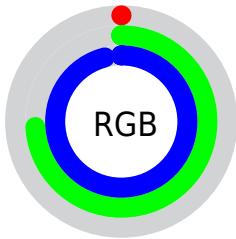
Format	Color
RYB	0, 107, 246
Decimal	48630
CIELab	71.70, -19.92, -39.03
CIELCh	72, 43.817, 242.963
Yxy	43.2071, 0.2032, 0.2515
Android (android.graphics.Color)	4278238710 (0xFF00BDF6)
YUV	138.9870, 52.7574, -121.8916
Hunter-Lab	65.7321, -20.2274, -38.4941

Details

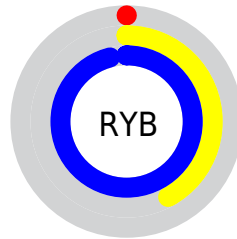
The RYB color **0, 107, 246** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **246, 74, 0**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **112, 181, 255**, and **0, 79, 189** is the 20% darker color. If you saturate the color by 10%, you get **0, 107, 246**, and if you desaturate by 10%, it is **25, 121, 246**.

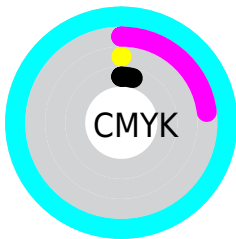
Distribution



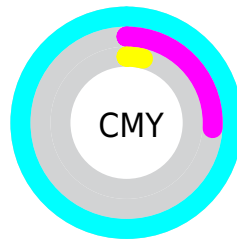
- Red (0%)
- Green (74%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (4%)




















- Cyan (100%)
- Magenta (26%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the RYB color 0, 107, 246 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 RYB color 0, 107, 246 by changing the saturation by 10% instead.


 0, 107, 246	 0, 107, 246
 255, 255, 255	 0, 93, 217
 112, 181, 255	 0, 79, 189
 146, 201, 255	 0, 66, 162
 178, 217, 255	 0, 53, 136
 210, 233, 255	 0, 40, 110
 242, 249, 255	 0, 28, 85
	 0, 13, 62
	 0, 3, 39
	 0, 1, 17

 0, 107, 246

 25, 121, 246

 49, 135, 246

 74, 149, 246

 98, 162, 246

 123, 177, 246

 148, 190, 246

 172, 204, 246

 197, 218, 246

 221, 232, 246

Harmonies

Analogous

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



0, 103, 218



0, 107, 246



120, 161, 255

Triad

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



0, 107, 246



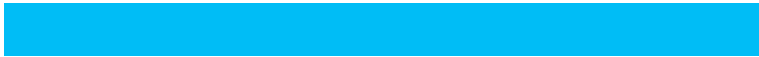
250, 143, 173



107, 186, 138

Complementary

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



0, 107, 246



246, 74, 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.



122, 197, 94



0, 107, 246



250, 150, 134

Square

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



0, 107, 246



229, 150, 213



230, 206, 105



105, 169, 193

Rectangle

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



0, 107, 246



165, 169, 249



230, 206, 105



100, 183, 113

Sweetspot

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



0, 107, 246



179, 212, 255



0, 202, 246



82, 102, 128



0, 0, 0



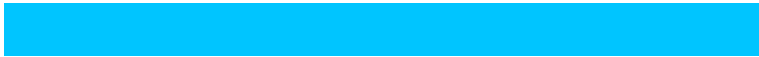
128, 128, 128

Same Dimension

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



0, 107, 246



0, 111, 255



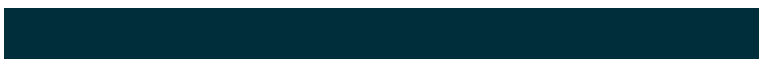
0, 54, 246



110, 115, 122



0, 81, 186



0, 26, 59

Inverse Universe

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



246, 0, 189



255, 0, 196



98, 246, 0



122, 110, 120



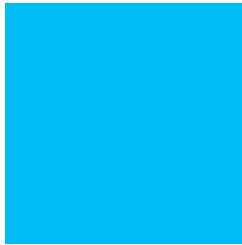
186, 0, 143



59, 0, 45

Previews

White Background



This preview shows how the RYB color 0, 107, 246 looks on a white background.

Color Contrast Check

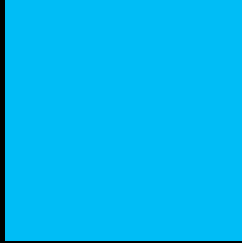
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 0, 107, 246 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](#).

R Y B 0, 107, 246 Background



This preview shows how black text looks on a background with the RYB color 0, 107, 246.

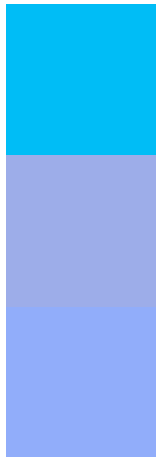


This preview shows how white text looks on a background with the RYB color 0, 107, 246.

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](#).

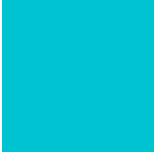
Dichromacy



Original Color
0, 107, 246

Protanopia
157, 170, 233

Deuteranopia
145, 167, 250



Tritanopia
0, 101, 209

Trichromacy



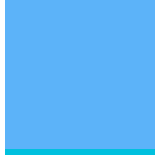
Original Color

0, 107, 246



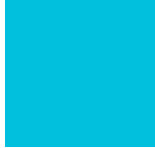
Protanomaly

100, 150, 238



Deuteranomaly

92, 148, 249



Tritanomaly

0, 103, 222

Monochromacy



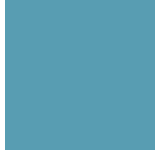
Original Color

0, 107, 246



Achromatopsia

139, 139, 139



Achromatomaly

88, 127, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 107, 246 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, 189, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 246)  
}
```

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, 189, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 246) }
```

Border

The CSS property to change the border of an element to RYB 0, 107, 246 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, 189, 246) }
```

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

```
.border{ border-color:rgb(0, 189, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 0, 189, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 246) }
```

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

```
.background{ background-color: rgb(0, 189,  
246) }
```

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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