

Converting Colors

`RYB(0, 109, 233)`

Have a look what the booklet for
RYB(0, 109, 233) contains.

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Color

RYB(0, 109, 233)

Conversions

Conversions Part 1

Format	Color
Hex	00CDE9
RGB	0, 205, 233
RGB Percent	0%, 80%, 91%
CMY	1.0000, 0.1968, 0.0863
CMYK	1.00, 0.12, 0.00, 0.09
HSL	187°, 100%, 46%
HSV	187°, 100%, 91%
XYZ	36.4950, 49.4571, 84.7135
YIQ	146.8970, -131.1680, -34.7520

Conversions

Conversions Part 2

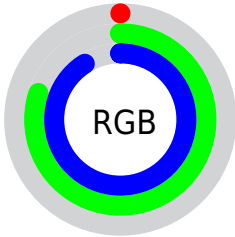
Format	Color
RYB	0, 109, 233
Decimal	52713
CIELab	75.73, -31.99, -25.78
CIELCh	76, 41.091, 218.865
Yxy	49.4571, 0.2138, 0.2898
Android (android.graphics.Color)	4278242793 (0xFF00CDE9)
YUV	146.8970, 42.4488, -128.8287
Hunter-Lab	70.3258, -30.4391, -22.1919

Details

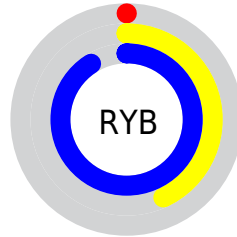
The RYB color **0, 109, 233** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **233, 32, 0**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **111, 183, 255**, and **0, 81, 177** is the 20% darker color. If you saturate the color by 10%, you get **0, 109, 233**, and if you desaturate by 10%, it is **23, 121, 233**.

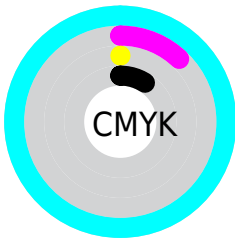
Distribution



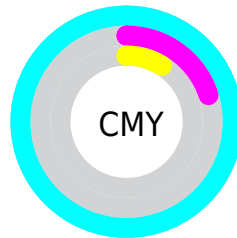
- Red (0%)
- Green (80%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)




















- Cyan (100%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 109, 233 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, 109, 233 by changing the saturation by 10% instead.

 0, 109, 233	 0, 109, 233
 255, 255, 255	 0, 95, 205
 111, 183, 255	 0, 81, 177
 145, 200, 255	 0, 68, 151
 177, 216, 255	 0, 55, 125
 209, 232, 255	 0, 43, 100
 241, 248, 255	 0, 31, 76
	 0, 19, 53
	 0, 2, 31
	 0, 0, 3

■ 0, 109, 233

■ 23, 121, 233

■ 47, 134, 233

■ 70, 146, 233

■ 93, 158, 233

■ 117, 171, 233

■ 140, 184, 233

■ 163, 196, 233

■ 186, 208, 233

■ 210, 221, 233

Harmonies

Analogous

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



55, 134, 207



0, 109, 233



82, 151, 255

Triad

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



0, 109, 233



243, 161, 215



125, 200, 111

Complementary

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



0, 109, 233



233, 32, 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.



234, 234, 116



0, 109, 233



255, 157, 177

Square

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



0, 109, 233



206, 173, 246



255, 168, 141



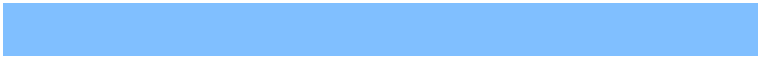
126, 198, 165

Rectangle

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



0, 109, 233



128, 170, 255



255, 168, 141



150, 213, 110

Sweetspot

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



0, 109, 233



179, 215, 255



0, 209, 233



82, 103, 128



0, 0, 0



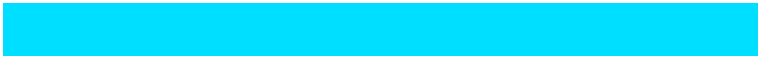
128, 128, 128

Same Dimension

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



0, 109, 233



0, 119, 255



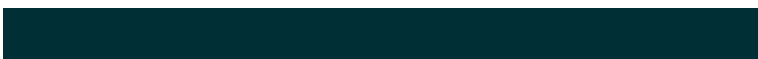
0, 64, 233



106, 111, 117



0, 85, 181



0, 25, 54

Inverse Universe

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



233, 0, 205



255, 0, 224



144, 233, 0



117, 106, 116



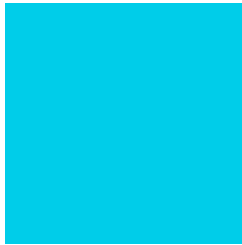
181, 0, 159



54, 0, 47

Previews

White Background



This preview shows how the RYB color 0, 109, 233 looks on a white background.

Color Contrast Check

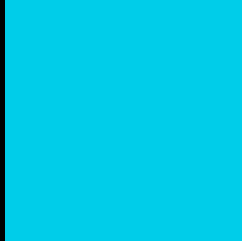
Large Text (above 18pt) WCAG AA × Fail

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, 109, 233 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](#).

RYB 0, 109, 233 Background



This preview shows how black text looks on a background with the RYB color 0, 109, 233.

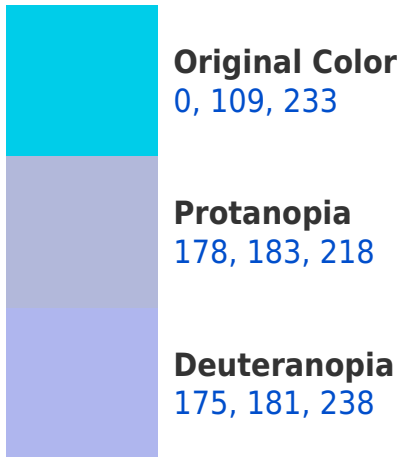


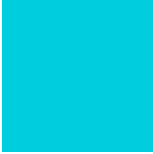
This preview shows how white text looks on a background with the RYB color 0, 109, 233.

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



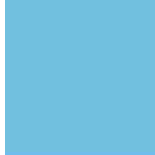


Tritanopia
0, 107, 223

Trichromacy



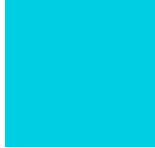
Original Color
0, 109, 233



Protanomaly
113, 159, 223



Deuteranomaly
111, 159, 236



Tritanomaly
0, 108, 227

Monochromacy



Original Color
0, 109, 233



Achromatopsia
147, 147, 147



Achromatomaly
94, 133, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 109, 233 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, 205, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 233)  
}
```

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, 205, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 233) }
```

Border

The CSS property to change the border of an element to RYB 0, 109, 233 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, 205, 233) }
```

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

```
.border{ border-color:rgb(0, 205, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 0, 109, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 233) }
```

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

```
.background{ background-color: rgb(0, 205,  
233) }
```

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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