Converting Colors

RYB(0, 118, 249)

Have a look what the booklet for RYB(0, 118, 249) contains.

Color

RYB(0, 118, 249)

Conversions

Conversions Part 1

Format	Color
Hex	00E0F9
RGB	0, 224, 249
RGB Percent	0%, 88%, 98%
CMY	1.0000, 0.1204, 0.0235
CMYK	1.00, 0.10, 0.00, 0.02
HSL	186°, 100%, 49%
HSV	186°, 100%, 98%
XYZ	43.8326, 60.3069, 98.9527
YIQ	159.8740, -141.5290, -39.7130

Conversions

Conversions Part 2

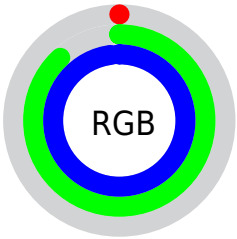
Format	Color
RYB	0, 118, 249
Decimal	57593
CIELab	82.00, -36.14, -24.75
CIELCh	82, 43.800, 214.409
Yxy	60.3069, 0.2158, 0.2969
Android (android.graphics.Color)	4278247673 (0xFF00E0F9)
YUV	159.8740, 43.9391, -140.2095
Hunter-Lab	77.6575, -35.1492, -21.1882

Details

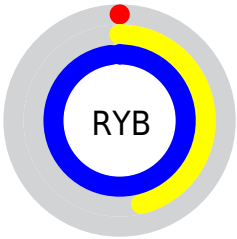
The RYB color 0, 118, 249 is a light color, and the websafe version is hex 33CCCC. The color can be described as light saturated cyan. A complement of this color would be 249, 28, 0, and the grayscale version is 160, 160, 160.

A 20% lighter version of the original color is 116, 186, 255, and 0, 90, 193 is the 20% darker color. If you saturate the color by 10%, you get 0, 118, 249, and if you desaturate by 10%, it is 25, 131, 249.

Distribution

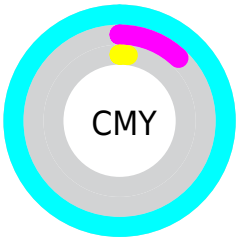


- Red (0%)
- Green (88%)
- Blue (98%)



- Red (0%)
- Yellow (46%)
- Blue (98%)

- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 118, 249 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, 118, 249 by changing the saturation by 10% instead.

0, 118, 249	0, 118, 249
255, 255, 255	0, 104, 220
116, 186, 255	0, 90, 193
151, 203, 255	0, 76, 165
184, 220, 255	0, 63, 139
216, 236, 255	0, 50, 113
249, 252, 255	0, 38, 89
	0, 26, 65
	0, 12, 43
	0, 1, 22

0, 118, 249

25, 131, 249

50, 144, 249

75, 158, 249

100, 171, 249

125, 184, 249

149, 196, 249

174, 210, 249

199, 223, 249

224, 236, 249

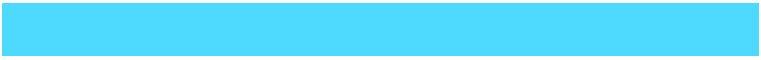
Harmonies

Analogous

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

72, 153, 226

0, 118, 249



78, 156, 255

Triad

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

0, 118, 249

255, 178, 240

149, 225, 121

Complementary

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

0, 118, 249

249, 28, 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.

255, 240, 131

0, 118, 249

255, 172, 199

Square

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

0, 118, 249

217, 191, 255

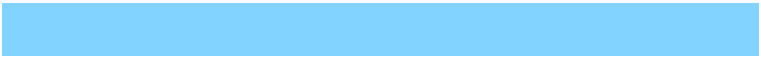
255, 181, 160

135, 215, 169

Rectangle

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

0, 118, 249



130, 179, 255

255, 181, 160

181, 238, 122

Sweetspot

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

0, 118, 249

179, 215, 255

0, 230, 249

82, 104, 128

0, 0, 0

128, 128, 128

Same Dimension

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

0, 118, 249

0, 121, 255

0, 73, 249

112, 118, 125

0, 89, 189

0, 29, 61

Inverse Universe

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

249, 0, 224

255, 0, 230

179, 249, 0

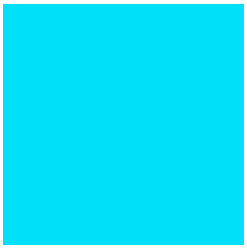
125, 112, 124

189, 0, 170

61, 0, 55

Previews

White Background

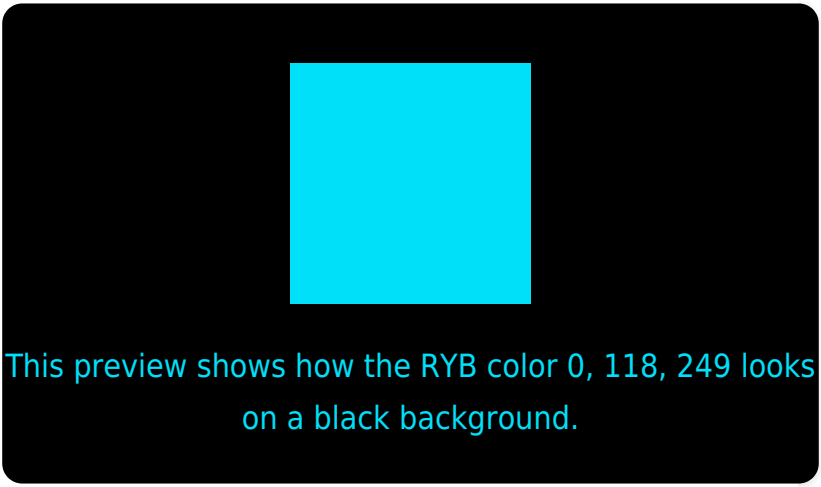


This preview shows how the RYB color 0, 118, 249 looks on a white background.

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



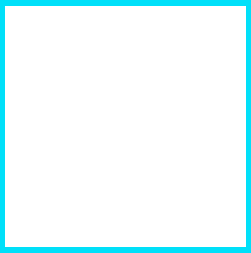
Color Contrast Check

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.

RYB 0, 118, 249 Background

This preview shows how black text looks on a background with the RYB color 0, 118, 249.



This preview shows how white text looks on a background with the RYB color 0, 118, 249.

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

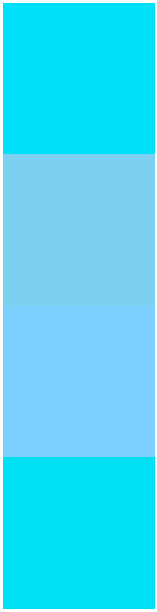
Original Color
0, 118, 249

Protanopia
197, 201, 233

Deuteranopia
195, 198, 255

Tritanopia
0, 117, 243

Trichromacy



Original Color
0, 118, 249

Protanomaly
125, 173, 239

Deuteranomaly
124, 175, 253

Tritanomaly
0, 117, 245

Monochromacy

Original Color
0, 118, 249

Achromatopsia
160, 160, 160

Achromatomaly
102, 145, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 118, 249 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, 224, 249) looks like.

```
.text, #text, p{
    color:rgb(0, 224, 249)
}
```

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, 224, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 249) }
```

Border

The CSS property to change the border of an element to RYB 0, 118, 249 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, 224, 249) }
```

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

```
.border{ border-color:rgb(0, 224, 249) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 224, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 224, 249); box-shadow:4px 4px 4px 4px rgb(0, 224, 249) }
```

Background

The CSS property to change the background color of an element to RYB 0, 118, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 224, 249) }
```

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

```
.background{ background-color:rgb(0, 224,
249) }
```

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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