

Converting Colors

`RYB(0, 105, 249)`

Have a look what the booklet for
RYB(0, 105, 249) contains.

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Color

R_YB(0, 105, 249)

Conversions

Conversions Part 1

Format	Color
Hex	00B6F9
RGB	0, 182, 249
RGB Percent	0%, 71%, 98%
CMY	1.0000, 0.2880, 0.0235
CMYK	1.00, 0.27, 0.00, 0.02
HSL	196°, 100%, 49%
HSV	196°, 100%, 98%
XYZ	33.7374, 40.1165, 95.5876
YIQ	135.2200, -129.9790, -17.7470

Conversions

Conversions Part 2

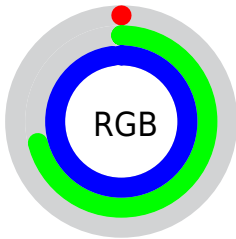
Format	Color
RYB	0, 105, 249
Decimal	46841
CIELab	69.55, -14.74, -44.00
CIELCh	70, 46.403, 251.478
Yxy	40.1165, 0.1991, 0.2368
Android (android.graphics.Color)	4278236921 (0xFF00B6F9)
YUV	135.2200, 56.0935, -118.5879
Hunter-Lab	63.3376, -15.7611, -45.1428

Details

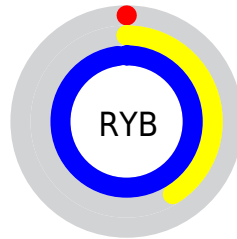
The RYB color **0, 105, 249** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **249, 92, 0**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **112, 179, 255**, and **0, 77, 192** is the 20% darker color. If you saturate the color by 10%, you get **0, 105, 249**, and if you desaturate by 10%, it is **25, 119, 249**.

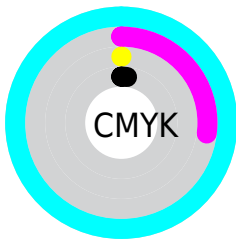
Distribution



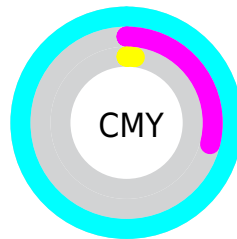
- Red (0%)
- Green (71%)
- Blue (98%)



- Red (0%)
- Yellow (41%)
- Blue (98%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)




















- Cyan (100%)
- Magenta (29%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the RYB color 0, 105, 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, 105, 249 by changing the saturation by 10% instead.


 0, 105, 249	 0, 105, 249
 255, 255, 255	 0, 91, 220
 112, 179, 255	 0, 77, 192
 146, 201, 255	 0, 64, 165
 178, 217, 255	 0, 51, 138
 210, 233, 255	 0, 38, 112
 242, 249, 255	 0, 25, 87
	 0, 6, 64
	 0, 3, 41
	 0, 1, 19

 0, 105, 249


 25, 119, 249

 50, 134, 249

 75, 148, 249

 100, 163, 249

 125, 177, 249

 149, 191, 249

 174, 206, 249

 199, 220, 249

 224, 234, 249

Harmonies

Analogous

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



0, 103, 224



0, 105, 249



131, 160, 252

Triad

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



0, 105, 249



250, 135, 155



105, 183, 154

Complementary

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



0, 105, 249



249, 92, 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.



93, 180, 85



0, 105, 249



243, 152, 116

Square

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



0, 105, 249



234, 139, 198



203, 218, 90



74, 147, 190

Rectangle

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



0, 105, 249



176, 158, 242



203, 218, 90



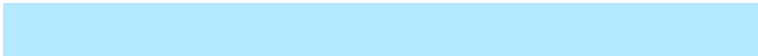
96, 180, 126

Sweetspot

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



0, 105, 249



179, 211, 255



0, 197, 249



82, 101, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 105, 249



0, 108, 255



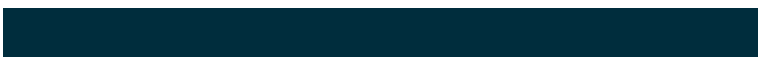
0, 47, 249



112, 118, 125



0, 80, 189



0, 26, 61

Inverse Universe

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



249, 0, 182



255, 0, 186



76, 249, 0



125, 112, 122



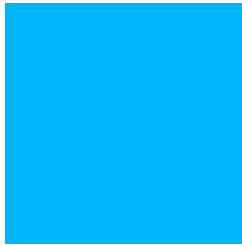
189, 0, 138



61, 0, 45

Previews

White Background



This preview shows how the RYB color 0, 105, 249 looks on a white background.

Color Contrast Check

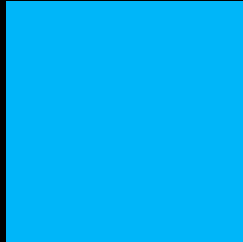
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 0, 105, 249 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

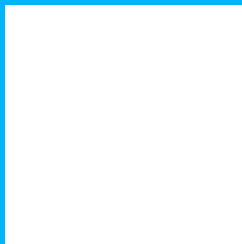
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 0, 105, 249 Background



This preview shows how black text looks on a background with the RYB color 0, 105, 249.

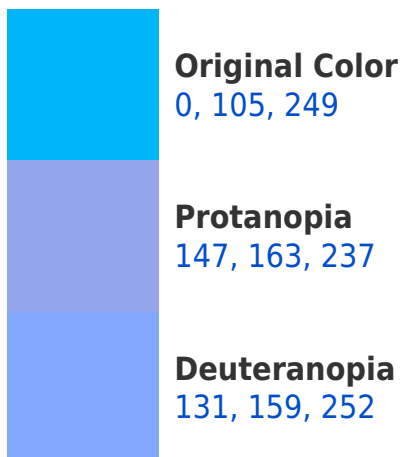


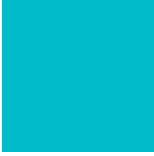
This preview shows how white text looks on a background with the RYB color 0, 105, 249.

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





Tritanopia
0, 97, 202

Trichromacy



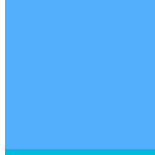
Original Color

0, 105, 249



Protanomaly

94, 145, 241



Deuteranomaly

83, 142, 251



Tritanomaly

0, 101, 219

Monochromacy



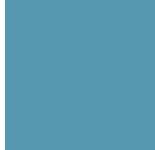
Original Color

0, 105, 249



Achromatopsia

135, 135, 135



Achromatomaly

86, 124, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 105, 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, 182, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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, 182, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 249) }
```

Border

The CSS property to change the border of an element to RYB 0, 105, 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, 182, 249) }
```

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

```
.border{ border-color:rgb(0, 182, 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, 182, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 0, 105, 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, 182, 249) }
```

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

```
.background{ background-color: rgb(0, 182,  
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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