

Converting Colors

`RYB(0, 114, 245)`

Have a look what the booklet for
RYB(0, 114, 245) contains.

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Color

RYB(0, 114, 245)

Conversions

Conversions Part 1

Format	Color
Hex	00D5F5
RGB	0, 213, 245
RGB Percent	0%, 84%, 96%
CMY	1.0000, 0.1639, 0.0392
CMYK	1.00, 0.13, 0.00, 0.04
HSL	188°, 100%, 48%
HSV	188°, 100%, 96%
XYZ	40.3276, 54.2848, 94.7387
YIQ	152.9610, -137.2200, -35.2040

Conversions

Conversions Part 2

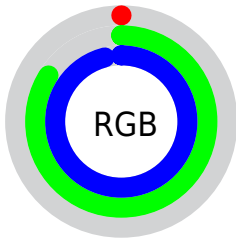
Format	Color
RYB	0, 114, 245
Decimal	54773
CIELab	78.63, -32.16, -27.78
CIELCh	79, 42.502, 220.822
Yxy	54.2848, 0.2130, 0.2867
Android (android.graphics.Color)	4278244853 (0xFF00D5F5)
YUV	152.9610, 45.3752, -134.1468
Hunter-Lab	73.6782, -31.2355, -24.6629

Details

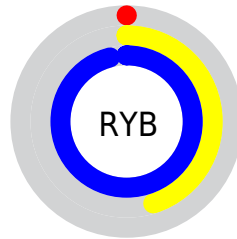
The RYB color **0, 114, 245** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **245, 37, 0**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **114, 185, 255**, and **0, 86, 189** is the 20% darker color. If you saturate the color by 10%, you get **0, 114, 245**, and if you desaturate by 10%, it is **24, 127, 245**.

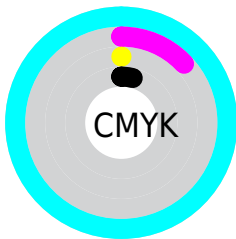
Distribution



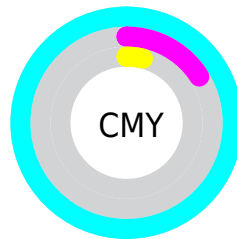
- Red (0%)
- Green (84%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)




















- Cyan (100%)
- Magenta (16%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the RYB color 0, 114, 245 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, 114, 245 by changing the saturation by 10% instead.


 0, 114, 245	 0, 114, 245
 255, 255, 255	 0, 100, 216
 114, 185, 255	 0, 86, 189
 148, 202, 255	 0, 73, 162
 181, 218, 255	 0, 59, 135
 213, 234, 255	 0, 47, 110
 245, 250, 255	 0, 34, 85
	 0, 23, 62
	 0, 3, 40
	 0, 1, 18

 0, 114, 245


 24, 127, 245


 49, 140, 245

 74, 154, 245


 98, 166, 245

 123, 180, 245

 147, 193, 245

 171, 205, 245

 196, 219, 245

 221, 232, 245

Harmonies

Analogous

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



52, 136, 216



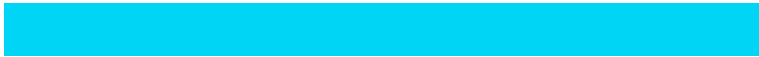
0, 114, 245



90, 158, 255

Triad

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



0, 114, 245



255, 167, 221



126, 206, 116

Complementary

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



0, 114, 245



245, 37, 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, 242, 120



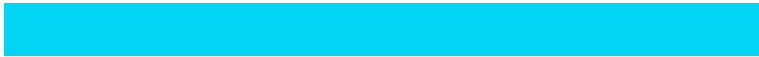
0, 114, 245



255, 164, 182

Square

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



0, 114, 245



217, 179, 255



255, 177, 145



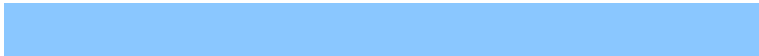
133, 207, 177

Rectangle

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



0, 114, 245



138, 178, 255



255, 177, 145



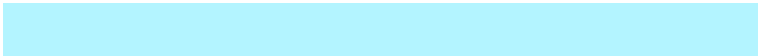
150, 219, 115

Sweetspot

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



0, 114, 245



179, 214, 255



0, 219, 245



82, 103, 128



0, 0, 0



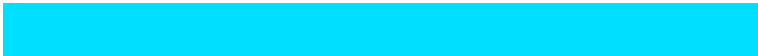
128, 128, 128

Same Dimension

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



0, 114, 245



0, 119, 255



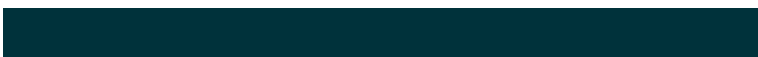
0, 68, 245



110, 116, 122



0, 87, 186



0, 27, 59

Inverse Universe

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



245, 0, 213



255, 0, 222



153, 245, 0



122, 110, 121



186, 0, 162



59, 0, 51

Previews

White Background



This preview shows how the RYB color 0, 114, 245 looks on a white background.

Color Contrast Check

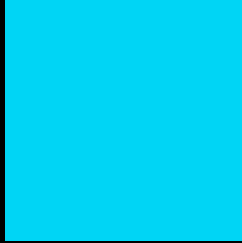
Large Text (above 18pt) WCAG AA × Fail

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, 114, 245 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, 114, 245 Background



This preview shows how black text looks on a background with the R Y B color 0, 114, 245.

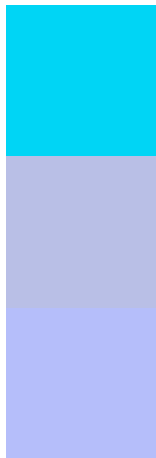


This preview shows how white text looks on a background with the R Y B color 0, 114, 245.

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](#).

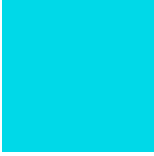
Dichromacy



Original Color
0, 114, 245

Protanopia
185, 190, 230

Deuteranopia
181, 189, 250



Tritanopia
0, 112, 232

Trichromacy



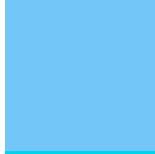
Original Color

0, 114, 245



Protanomaly

118, 166, 235



Deuteranomaly

115, 166, 248



Tritanomaly

0, 112, 237

Monochromacy



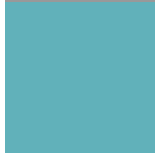
Original Color

0, 114, 245



Achromatopsia

153, 153, 153



Achromatomaly

97, 139, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 114, 245 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, 213, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 245)  
}
```

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, 213, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 245) }
```

Border

The CSS property to change the border of an element to RYB 0, 114, 245 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, 213, 245) }
```

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

```
.border{ border-color:rgb(0, 213, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 0, 114, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 245) }
```

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

```
.background{ background-color: rgb(0, 213,  
245) }
```

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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