

Converting Colors

`RYB(0, 76, 234)`

Have a look what the booklet for
RYB(0, 76, 234) contains.

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Color

`RYB(0, 76, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	0071EA
RGB	0, 113, 234
RGB Percent	0%, 44%, 92%
CMY	1.0000, 0.5586, 0.0824
CMYK	1.00, 0.52, 0.00, 0.08
HSL	211°, 100%, 46%
HSV	211°, 100%, 92%
XYZ	20.7071, 17.6521, 80.1577
YIQ	93.0070, -106.1890, 13.6750

Conversions

Conversions Part 2

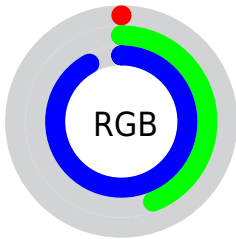
Format	Color
RYB	0, 76, 234
Decimal	29162
CIELab	49.07, 20.38, -68.40
CIELCh	49, 71.368, 286.592
Yxy	17.6521, 0.1747, 0.1489
Android (android.graphics.Color)	4278219242 (0xFF0071EA)
YUV	93.0070, 69.5095, -81.5671
Hunter-Lab	42.0145, 14.4496, -83.7069

Details

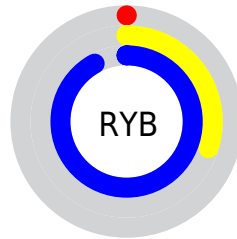
The RYB color **0, 76, 234** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **219, 234, 0**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **107, 148, 255**, and **0, 49, 177** is the 20% darker color. If you saturate the color by 10%, you get **0, 76, 234**, and if you desaturate by 10%, it is **23, 92, 234**.

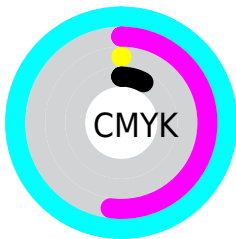
Distribution



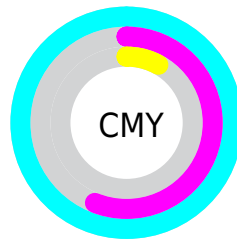
- Red (0%)
- Green (44%)
- Blue (92%)



- Red (0%)
- Yellow (30%)
- Blue (92%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (8%)




















- Cyan (100%)
- Magenta (56%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 76, 234 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, 76, 234 by changing the saturation by 10% instead.

 0, 76, 234	 0, 76, 234
 255, 255, 255	 0, 62, 205
 107, 148, 255	 0, 48, 177
 141, 175, 255	 0, 35, 150
 172, 202, 255	 0, 22, 123
 204, 227, 255	 0, 3, 98
 235, 245, 255	 0, 8, 73
	 0, 4, 49
	 0, 1, 27
	 0, 0, 0

■ 0, 76, 234

■ 23, 92, 234

■ 47, 108, 234

■ 70, 123, 234

■ 94, 139, 234

■ 117, 155, 234

■ 140, 170, 234

■ 164, 187, 234

■ 187, 202, 234

■ 211, 218, 234

Harmonies

Analogous

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



0, 85, 235



0, 76, 234



159, 82, 201

Triad

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



0, 76, 234



203, 91, 27



0, 88, 141

Complementary

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



0, 76, 234



219, 234, 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.



16, 136, 134



0, 76, 234



95, 164, 0

Square

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



0, 76, 234



221, 41, 86



0, 124, 14



0, 73, 150

Rectangle

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



0, 76, 234



197, 58, 166



0, 124, 14



0, 96, 140

Sweetspot

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



0, 76, 234



179, 203, 255



0, 154, 234



82, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 76, 234



0, 83, 255



4, 0, 234



106, 109, 117



0, 59, 181



0, 18, 54

Inverse Universe

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



234, 0, 113



255, 0, 123



0, 234, 4



117, 106, 111



181, 0, 87



54, 0, 26

Previews

White Background



This preview shows how the RYB color 0, 76, 234 looks on a white background.

Color Contrast Check

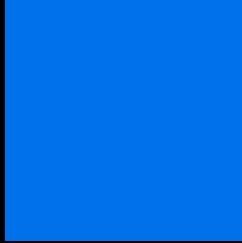
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 0, 76, 234 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

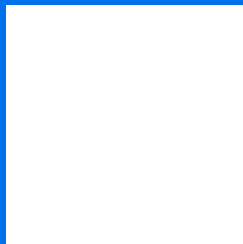
Any Text WCAG AAA × Fail

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

R Y B 0, 76, 234 Background



This preview shows how black text looks on a background with the RYB color 0, 76, 234.



This preview shows how white text looks on a background with the RYB color 0, 76, 234.

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, 66, 137

Trichromacy



Original Color

0, 76, 234

Protanomaly

20, 84, 233

Deuteranomaly

0, 76, 216

Tritanomaly

0, 72, 172

Monochromacy



Original Color

0, 76, 234

Achromatopsia

93, 93, 93

Achromatomaly

59, 87, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 76, 234 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, 113, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 234)  
}
```

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, 113, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 234) }
```

Border

The CSS property to change the border of an element to RYB 0, 76, 234 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, 113, 234) }
```

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

```
.border{ border-color:rgb(0, 113, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 0, 76, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 234) }
```

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

```
.background{ background-color: rgb(0, 113,  
234) }
```

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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