

Converting Colors

`RYB(0, 70, 217)`

Have a look what the booklet for
RYB(0, 70, 217) contains.

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Color

R_YB(0, 70, 217)

Conversions

Conversions Part 1

Format	Color
Hex	0067D9
RGB	0, 103, 217
RGB Percent	0%, 40%, 85%
CMY	1.0000, 0.5948, 0.1490
CMYK	1.00, 0.52, 0.00, 0.15
HSL	211°, 100%, 43%
HSV	211°, 100%, 85%
XYZ	17.4079, 14.7767, 67.5803
YIQ	85.1990, -97.9820, 13.6180

Conversions

Conversions Part 2

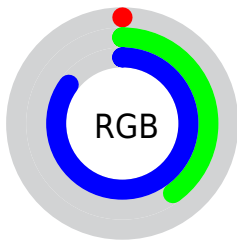
Format	Color
RYB	0, 70, 217
Decimal	26585
CIELab	45.33, 19.61, -64.87
CIELCh	45, 67.765, 286.820
Yxy	14.7767, 0.1745, 0.1481
Android (android.graphics.Color)	4278216665 (0xFF0067D9)
YUV	85.1990, 64.9779, -74.7195
Hunter-Lab	38.4405, 13.5633, -77.3266

Details

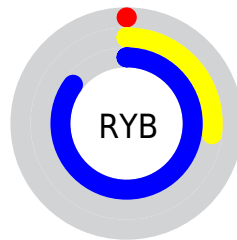
The RYB color **0, 70, 217** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **196, 217, 0**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **103, 141, 255**, and **0, 43, 161** is the 20% darker color. If you saturate the color by 10%, you get **0, 70, 217**, and if you desaturate by 10%, it is **22, 85, 217**.

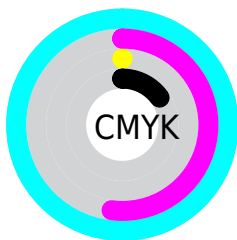
Distribution



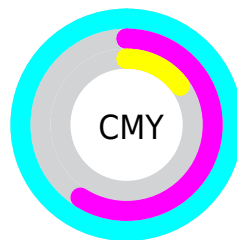
- Red (0%)
- Green (40%)
- Blue (85%)



- Red (0%)
- Yellow (27%)
- Blue (85%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (15%)




















- Cyan (100%)
- Magenta (59%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 70, 217 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, 70, 217 by changing the saturation by 10% instead.

 0, 70, 217	 0, 70, 217
 255, 255, 255	 0, 56, 189
 103, 141, 255	 0, 43, 161
 135, 168, 255	 0, 30, 134
 167, 195, 255	 0, 17, 108
 198, 221, 255	 0, 10, 83
 229, 242, 255	 0, 5, 59
	 0, 2, 36
	 0, 0, 12
	 0, 0, 0

■ 0, 70, 217

■ 22, 85, 217

■ 43, 99, 217

■ 65, 114, 217

■ 87, 129, 217

■ 109, 144, 217

■ 130, 158, 217

■ 152, 173, 217

■ 174, 188, 217

■ 195, 202, 217

Harmonies

Analogous

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



0, 78, 219



0, 70, 217



148, 75, 186

Triad

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



0, 70, 217



187, 86, 22



0, 81, 130

Complementary

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



0, 70, 217



196, 217, 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.



11, 123, 125



0, 70, 217



87, 151, 0

Square

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



0, 70, 217



205, 36, 78



0, 114, 13



0, 68, 139

Rectangle

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



0, 70, 217



183, 51, 153



0, 114, 13



0, 89, 129

Sweetspot

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



0, 70, 217



179, 203, 255



0, 143, 217



82, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 70, 217



0, 82, 255



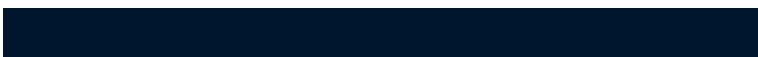
4, 0, 217



99, 102, 110



0, 56, 173



0, 15, 46

Inverse Universe

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



217, 0, 103



255, 0, 121



0, 217, 4



110, 99, 104



173, 0, 83



46, 0, 22

Previews

White Background



This preview shows how the RYB color 0, 70, 217 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, 70, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 0, 70, 217 Background



This preview shows how black text looks on a background with the RYB color 0, 70, 217.



This preview shows how white text looks on a background with the RYB color 0, 70, 217.

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, 61, 126

Trichromacy



Original Color

0, 70, 217

Protanomaly

15, 76, 217

Deuteranomaly

0, 70, 199

Tritanomaly

0, 66, 159

Monochromacy



Original Color

0, 70, 217

Achromatopsia

85, 85, 85

Achromatomaly

54, 80, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 70, 217 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, 103, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 217)  
}
```

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, 103, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 217) }
```

Border

The CSS property to change the border of an element to RYB 0, 70, 217 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, 103, 217) }
```

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

```
.border{ border-color:rgb(0, 103, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 103, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 0, 70, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 217) }
```

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

```
.background{ background-color: rgb(0, 103,  
217) }
```

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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