

Converting Colors

`RYB(10, 0, 239)`

Have a look what the booklet for
RYB(10, 0, 239) contains.

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Color

R_YB(10, 0, 239)

Conversions

Conversions Part 1

Format	Color
Hex	0A00EF
RGB	10, 0, 239
RGB Percent	4%, 0%, 94%
CMY	0.9608, 1.0000, 0.0627
CMYK	0.96, 1.00, 0.00, 0.06
HSL	243°, 100%, 47%
HSV	243°, 100%, 94%
XYZ	15.7052, 6.2965, 82.0490
YIQ	30.2360, -70.7590, 76.4490

Conversions

Conversions Part 2

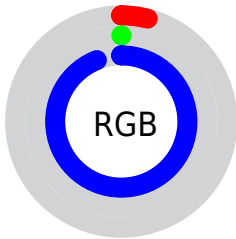
Format	Color
RYB	10, 0, 239
Decimal	655599
CIELab	30.15, 75.45, -102.43
CIElCh	30, 127.223, 306.377
Yxy	6.2965, 0.1509, 0.0605
Android (android.graphics.Color)	4278845679 (0xFF0A00EF)
YUV	30.2360, 102.9207, -17.7470
Hunter-Lab	25.0929, 67.8073, -176.3020

Details

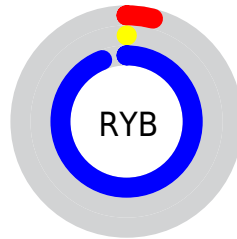
The RYB color **10, 0, 239** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **0, 239, 10**, and the grayscale version is **29, 29, 29**.

A 20% lighter version of the original color is **118, 69, 255**, and **0, 0, 181** is the 20% darker color. If you saturate the color by 10%, you get **10, 0, 239**, and if you desaturate by 10%, it is **33, 24, 239**.

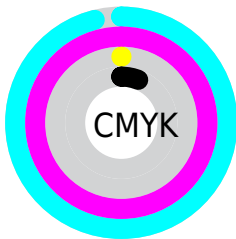
Distribution



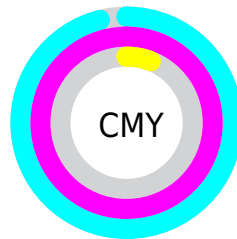
- Red (4%)
- Green (0%)
- Blue (94%)



- Red (4%)
- Yellow (0%)
- Blue (94%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)























- Cyan (96%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 10, 0, 239 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 10, 0, 239 by changing the saturation by 10% instead.

 10, 0, 239	 10, 0, 239
 255, 255, 255	 0, 0, 210
 118, 69, 255	 0, 0, 181
 153, 96, 255	 0, 0, 153
 187, 124, 255	 0, 1, 126
 220, 151, 255	 0, 13, 100
 252, 179, 255	 0, 8, 75
 255, 208, 255	 0, 4, 51
 255, 237, 255	 0, 2, 29
	 0, 0, 0


 10, 0, 239


 33, 24, 239


 56, 48, 239

 79, 72, 239

 102, 96, 239

 124, 119, 239

 147, 143, 239

 170, 167, 239

 193, 191, 239

 216, 215, 239

Harmonies

Analogous

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



0, 65, 255



10, 0, 239



192, 0, 153

Triad

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



10, 0, 239



146, 11, 0



0, 51, 98

Complementary

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



10, 0, 239



0, 239, 10

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.



0, 95, 95



10, 0, 239



0, 76, 7

Square

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



10, 0, 239



200, 0, 0



0, 91, 91



0, 66, 191

Rectangle

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



10, 0, 239



219, 0, 88



0, 91, 91



0, 61, 97

Sweetspot

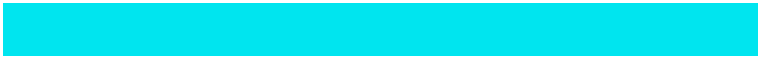
The Sweet Spot groups the original color and five complimentary colors.



10, 0, 239



182, 179, 255



0, 117, 239



84, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



10, 0, 239



11, 0, 255



127, 0, 239



108, 108, 120



8, 0, 184



2, 0, 56

Inverse Universe

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



239, 0, 229



255, 0, 244



0, 239, 127



120, 108, 119



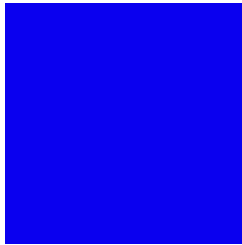
184, 0, 176



56, 0, 54

Previews

White Background



This preview shows how the RYB color 10, 0, 239 looks on a white background.

Color Contrast Check

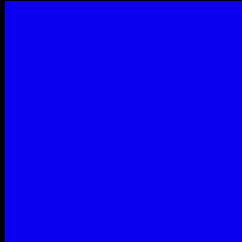
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 10, 0, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

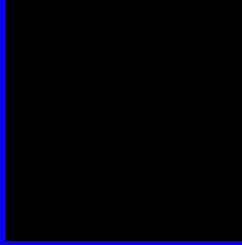
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 10, 0, 239 Background



This preview shows how black text looks on a background with the RYB color 10, 0, 239.

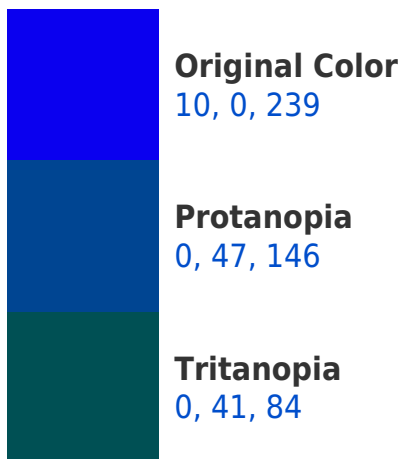


This preview shows how white text looks on a background with the RYB color 10, 0, 239.

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



Trichromacy



Original Color

10, 0, 239

Protanomaly

4, 37, 180

Tritanomaly

4, 39, 140

Monochromacy



Original Color

10, 0, 239

Achromatopsia

30, 30, 30

Achromatomaly

23, 19, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 10, 0, 239 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(10, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(10, 0, 239)  
}
```

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(10, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 0, 239) }
```

Border

The CSS property to change the border of an element to RYB 10, 0, 239 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(10, 0, 239) }
```

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

```
.border{ border-color:rgb(10, 0, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 0, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(10, 0, 239)  
}
```

Background

The CSS property to change the background color of an element to RGB 10, 0, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 0, 239) }
```

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

```
.background{ background-color: rgb(10, 0,  
239) }
```

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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