

Converting Colors

`RYB(0, 24, 242)`

Have a look what the booklet for
RYB(0, 24, 242) contains.

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Color

R_YB(0, 24, 242)

Conversions

Conversions Part 1

Format	Color
Hex	001BF2
RGB	0, 27, 242
RGB Percent	0%, 11%, 95%
CMY	1.0000, 0.8955, 0.0510
CMYK	1.00, 0.89, 0.00, 0.05
HSL	233°, 100%, 47%
HSV	233°, 100%, 95%
XYZ	16.4108, 7.1784, 84.5250
YIQ	43.4370, -85.1070, 61.1410

Conversions

Conversions Part 2

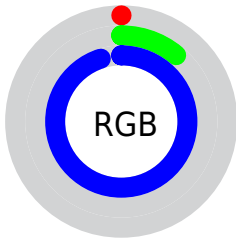
Format	Color
RYB	0, 24, 242
Decimal	7154
CIELab	32.21, 70.62, -100.69
CIELCh	32, 122.987, 305.044
Yxy	7.1784, 0.1518, 0.0664
Android (android.graphics.Color)	4278197234 (0xFF001BF2)
YUV	43.4370, 97.8916, -38.0942
Hunter-Lab	26.7925, 62.4471, -168.2937

Details

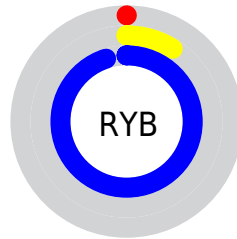
The RYB color **0, 24, 242** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **30, 242, 0**, and the grayscale version is **42, 42, 42**.

A 20% lighter version of the original color is **116, 82, 255**, and **0, 0, 184** is the 20% darker color. If you saturate the color by 10%, you get **0, 24, 242**, and if you desaturate by 10%, it is **24, 46, 242**.

Distribution



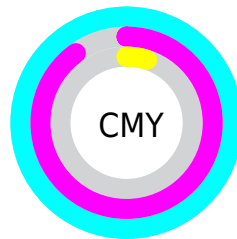
- Red (0%)
- Green (11%)
- Blue (95%)



- Red (0%)
- Yellow (9%)
- Blue (95%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (5%)






















- Cyan (100%)
- Magenta (90%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 24, 242 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, 24, 242 by changing the saturation by 10% instead.


 0, 24, 242	 0, 24, 242
 255, 255, 255	 0, 0, 213
 116, 81, 255	 0, 0, 184
 152, 108, 255	 0, 0, 156
 185, 135, 255	 0, 0, 129
 218, 162, 255	 0, 14, 102
 250, 190, 255	 0, 9, 77
 255, 219, 255	 0, 5, 53
 255, 248, 255	 0, 2, 31
	 0, 0, 3


 0, 24, 242

 24, 46, 242


 48, 68, 242


 73, 89, 242

 97, 111, 242

 121, 133, 242

 145, 155, 242

 169, 176, 242

 194, 199, 242

 218, 220, 242

Harmonies

Analogous

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



0, 68, 255



0, 24, 242



192, 0, 160

Triad

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



0, 24, 242



154, 19, 0



0, 55, 103

Complementary

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



0, 24, 242



30, 242, 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.



0, 100, 100



0, 24, 242



0, 79, 0

Square

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



0, 24, 242



205, 0, 0



0, 95, 95



0, 68, 189

Rectangle

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



0, 24, 242



221, 0, 97



0, 95, 95



0, 65, 102

Sweetspot

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



0, 24, 242



179, 186, 255



0, 128, 242



82, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



0, 24, 242



0, 25, 255



93, 0, 242



108, 109, 120



0, 18, 184



0, 5, 56

Inverse Universe

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



242, 0, 27



255, 0, 28



0, 242, 93



120, 108, 109



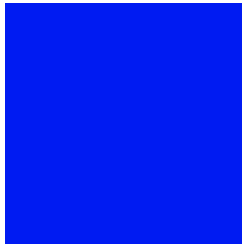
184, 0, 20



56, 0, 6

Previews

White Background



This preview shows how the RYB color 0, 24, 242 looks on a white background.

Color Contrast Check

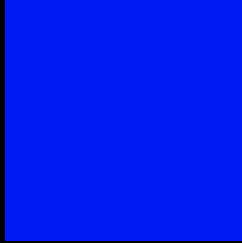
Large Text (above 18pt) WCAG AA ✓ Pass

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 0, 24, 242 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](#).

R Y B 0, 24, 242 Background



This preview shows how black text looks on a background with the RYB color 0, 24, 242.



This preview shows how white text looks on a background with the RYB color 0, 24, 242.

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, 24, 242

Protanopia

0, 49, 153

Deuteranopia

0, 49, 130



Tritanopia

0, 43, 88

Trichromacy



Original Color

0, 24, 242

Protanomaly

0, 43, 185

Deuteranomaly

0, 44, 171

Tritanomaly

0, 44, 144

Monochromacy



Original Color

0, 24, 242

Achromatopsia

43, 43, 43

Achromatomaly

27, 36, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 24, 242 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, 27, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 27, 242)  
}
```

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, 27, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 27, 242) }
```

Border

The CSS property to change the border of an element to RYB 0, 24, 242 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, 27, 242) }
```

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

```
.border{ border-color:rgb(0, 27, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 27, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 27, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 27, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 27, 242)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 24, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 27, 242) }
```

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

```
.background{ background-color: rgb(0, 27,  
242) }
```

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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