

Converting Colors

RGB(12, 0, 255)

Have a look what the booklet for
RGB(12, 0, 255) contains.

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Color

RGB(12, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	0C00FF
RGB	12, 0, 255
RGB Percent	5%, 0%, 100%
CMY	0.9529, 1.0000, 0.0000
CMYK	0.95, 1.00, 0.00, 0.00
HSL	243°, 100%, 50%
HSV	243°, 100%, 100%
XYZ	18.2016, 7.2982, 95.0571
YIQ	32.6580, -74.7030, 81.8490

Conversions

Conversions Part 2

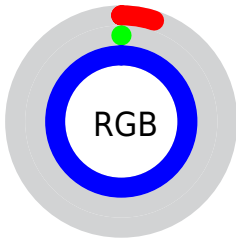
Format	Color
R _Y B	12, 0, 255
Decimal	786687
CIE Lab	32.48, 79.25, -107.57
CIE LCh	32, 133.610, 306.381
Yxy	7.2982, 0.1510, 0.0605
Android (android.graphics.Color)	4278976767 (0xFF0C00FF)
YUV	32.6580, 109.6146, -18.1171
Hunter-Lab	27.0151, 72.9892, -189.7110

Details

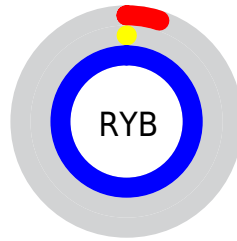
The RGB color **12, 0, 255** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **243, 255, 0**, and the grayscale version is **32, 32, 32**.

A 20% lighter version of the original color is **123, 72, 255**, and **0, 0, 196** is the 20% darker color. If you saturate the color by 10%, you get **12, 0, 255**, and if you desaturate by 10%, it is **36, 25, 255**.

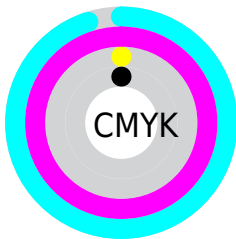
Distribution



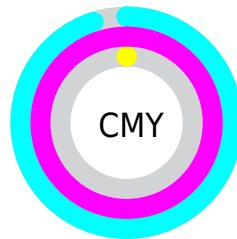
- Red (5%)
- Green (0%)
- Blue (100%)



- Red (5%)
- Yellow (0%)
- Blue (100%)



- Cyan (95%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)






















- Cyan (95%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 12, 0, 255 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 RGB color 12, 0, 255 by changing the saturation by 10% instead.

 12, 0, 255	 12, 0, 255
 255, 255, 255	 0, 0, 225
 123, 72, 255	 0, 0, 196
 159, 99, 255	 0, 0, 168
 193, 127, 255	 0, 0, 140
 226, 155, 255	 0, 17, 113
 255, 183, 255	 0, 12, 88
 255, 212, 255	 0, 7, 63
 255, 241, 255	 0, 3, 40
	 0, 1, 18

 12, 0, 255

 36, 25, 255

 61, 51, 255

 85, 77, 255

 109, 102, 255

 133, 128, 255

 158, 153, 255

 182, 179, 255

 206, 204, 255

 231, 230, 255

Harmonies

Analogous

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



0, 94, 255



12, 0, 255



205, 0, 164

Triad

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



12, 0, 255



156, 12, 0



0, 105, 98

Complementary

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



12, 0, 255



243, 255, 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, 102, 0



12, 0, 255



74, 81, 0

Square

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



12, 0, 255



214, 0, 0



0, 97, 0



0, 109, 204

Rectangle

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



12, 0, 255



234, 0, 95



0, 97, 0



0, 104, 61

Sweetspot

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



12, 0, 255



182, 179, 255



0, 247, 255



84, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



12, 0, 255



136, 0, 255



115, 115, 128



9, 0, 191



3, 0, 64

Inverse Universe

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



255, 0, 243



119, 255, 0



128, 115, 127



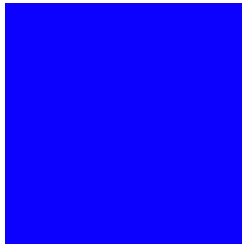
191, 0, 182



64, 0, 61

Previews

White Background



This preview shows how the RGB color 12, 0, 255 looks on a white background.

Color Contrast Check

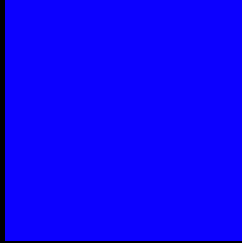
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 12, 0, 255 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](#).

RGB 12, 0, 255 Background



This preview shows how black text looks on a background with the RGB color 12, 0, 255.



This preview shows how white text looks on a background with the RGB color 12, 0, 255.

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


12, 0, 255

Protanopia

0, 75, 156

Deuteranopia

0, 80, 132



Tritanopia
0, 86, 90

Trichromacy



Original Color

12, 0, 255

Protanomaly

4, 48, 192

Deuteranomaly

4, 51, 177

Tritanomaly

4, 55, 150

Monochromacy



Original Color

12, 0, 255

Achromatopsia

33, 33, 33

Achromatomaly

25, 21, 114

CSS Examples

Text

The CSS property to change the color of the text to RGB 12, 0, 255 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(12, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 0, 255)  
}
```

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(12, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 0, 255) }
```

Border

The CSS property to change the border of an element to RGB 12, 0, 255 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(12, 0, 255) }
```

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

```
.border{ border-color:rgb(12, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to RGB 12, 0, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 0, 255) }
```

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

```
.background{ background-color: rgb(12, 0,  
255) }
```

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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