

# Converting Colors

Hex(00B01F)

Have a look what the booklet for  
Hex(00B01F) contains.

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# Color

Hex(00B01F)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 00B01F                       |
| RGB         | 0, 176, 31                   |
| RGB Percent | 0%, 69%, 12%                 |
| CMY         | 1.0000, 0.3098, 0.8784       |
| CMYK        | 1.00, 0.00, 0.82, 0.31       |
| HSL         | 131°, 100%, 35%              |
| HSV         | 131°, 100%, 69%              |
| XYZ         | 15.7727, 31.1496, 6.4775     |
| YIQ         | 106.8460, -58.3510, -82.4070 |

# Conversions

## Conversions Part 2

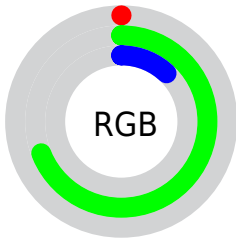
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 150, 176                     |
| Decimal                             | 45087                           |
| CIELab                              | 62.63, -64.18, 57.50            |
| CIELCh                              | 63, 86.167, 138.140             |
| Yxy                                 | 31.1496, 0.2954,<br>0.5833      |
| Android<br>(android.graphics.Color) | 4278235167<br>(0xFF00B01F)      |
| YUV                                 | 106.8460, -37.3921,<br>-93.7039 |
| Hunter-Lab                          | 55.8118, -47.2258,<br>32.1871   |

# Details

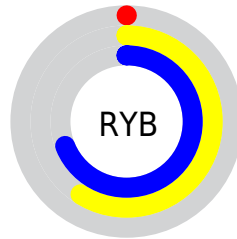
The Hex color **00B01F** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B00091**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **60E959**, and **007A00** is the 20% darker color. If you saturate the color by 10%, you get **00B01F**, and if you desaturate by 10%, it is **12B02D**.

# Distribution



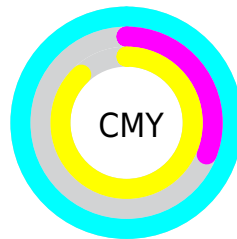
- Red (0%)
- Green (69%)
- Blue (12%)



- Red (0%)
- Yellow (59%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B01F 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 Hex color 00B01F by changing the saturation by 10% instead.



 00B01F

 00B01F

FFFFFF

 009400

 60E959

 007A00

 80FF74

 005F00

 9EFF90

 004600

 BDFFAB

 002F00

 DBFFC8

 001100

 FAFFE5

 000000

 00B01F

 12B02D

 23B03C

 35B04A

 46B059

 58B067

 6AB076

 7BB084

 8DB093

 9EB0A2

# Harmonies

## Analogous

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



8BA200



00B01F



00B775

# Triad

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



00B01F



00AAFF



FF3A6D

# Complementary

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



00B01F



B00091

# 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.



FF3DB9



00B01F



3091FF

# Square

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



00B01F



00B6FF



D269FF



FF6421

# Rectangle

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



00B01F



00B9AB



D269FF



FF3286



# Sweetspot

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



00B01F



A1E6AD



93B000



497351



F2F2F2



737373



# Same Dimension

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



00B01F



00E628



00B075



505952



00991B



001A04



# Inverse Universe

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



B00091



E600BD



B0003B



595058



99007E

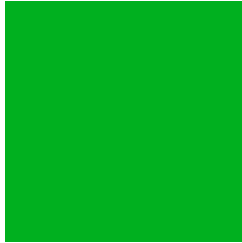


1A0015



# Previews

## White Background



This preview shows how the Hex color 00B01F looks on a white background.

## Color Contrast Check

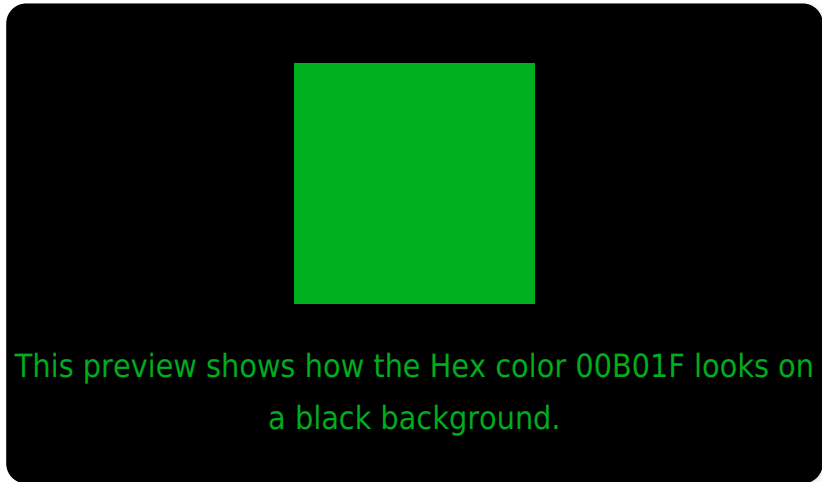
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 ✓ Pass

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



## Hex 00B01F Background



This preview shows how black text looks on a background with the Hex color 00B01F.

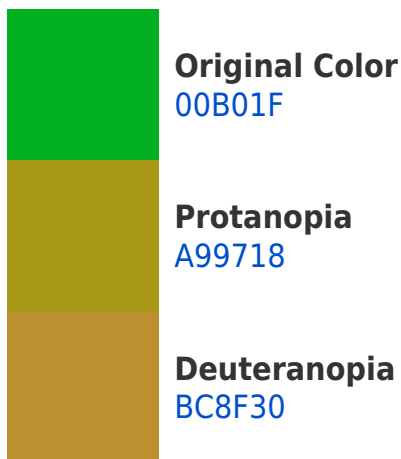


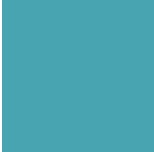
This preview shows how white text looks on a background with the Hex color 00B01F.

# 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**  
49A4B1

# Trichromacy



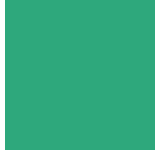
**Original Color**  
00B01F



**Protanomaly**  
6CA01B



**Deuteranomaly**  
789B2A



**Tritanomaly**  
2EA87C

# Monochromacy



**Original Color**  
00B01F



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
44844F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B01F 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 #00B01F looks like.

```
.text, #text, p{  
    color:#00B01F  
}
```

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 #00B01F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B01F
}
```

## Border

The CSS property to change the border of an element to Hex 00B01F 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
#00B01F }
```

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

```
.border{ border-color:#00B01F }
```

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

Here you see how a box with a 4 pixel #00B01F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B01F; -webkit-box-shadow:4px 4px  
4px 4px #00B01F; box-shadow:4px 4px 4px  
4px #00B01F }
```

# Background

The CSS property to change the background color of an element to Hex 00B01F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B01F }
```

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

```
.background{ background-color:#00B01F }
```

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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