

# Converting Colors

Hex(0021EB)

Have a look what the booklet for  
Hex(0021EB) contains.

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**Color**

**Hex(0021EB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0021EB
RGB	0, 33, 235
RGB Percent	0%, 13%, 92%
CMY	1.0000, 0.8706, 0.0784
CMYK	1.00, 0.86, 0.00, 0.08
HSL	232°, 100%, 46%
HSV	232°, 100%, 92%
XYZ	15.5393, 7.0859, 79.1460
YIQ	46.1610, -84.5100, 55.8260

# Conversions

## Conversions Part 2

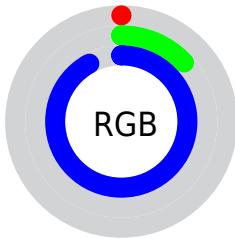
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 29, 235
Decimal	8683
CIELab	32.00, 66.50, -97.06
CIELCh	32, 117.659, 304.415
Yxy	7.0859, 0.1527, 0.0696
Android (android.graphics.Color)	4278198763 (0xFF0021EB)
YUV	46.1610, 93.0976, -40.4832
Hunter-Lab	26.6193, 57.6172, -157.6508

# Details

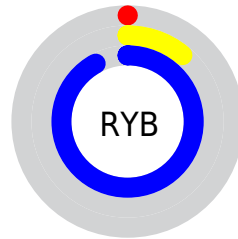
The Hex color **0021EB** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **EBCA00**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **7255FF**, and **0000B1** is the 20% darker color. If you saturate the color by 10%, you get **0021EB**, and if you desaturate by 10%, it is **1735EB**.

# Distribution



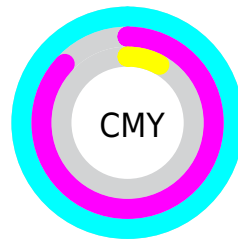
- Red (0%)
- Green (13%)
- Blue (92%)



- Red (0%)
- Yellow (11%)
- Blue (92%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (87%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0021EB 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 0021EB by changing the saturation by 10% instead.



 0021EB

 0021EB


FFFFFF

 0001CE

 7255FF

 0000B1

 956FFF

 000096

 B68AFF

 00007B

 D6A5FF

 000F60

 F7C1FF


 000848

 FFDDFF

 000430

 FFFBFF

 00011A

 000000

 0021EB

 1735EB

 2F49EB

 475EEB

 5E72EB

 7686EB

 8D9AEB

 A4AE EB

 BCC3EB

 D3D7EB

# Harmonies

## Analogous

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



005BFF



0021EB



B9009E

# Triad

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



0021EB



981400



006658

# Complementary

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



0021EB



EBCA00

# 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.



006300



0021EB



514E00

# Square

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



0021EB



C90000



005E00



0069B5

# Rectangle

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



0021EB



D60061



005E00



006537



# Sweetspot

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



0021EB



B3BDFE



00EBC8



525880



000000



808080



# Same Dimension

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



0021EB



0024FF



5200EB



6A6B75



0019B5



000836



# Inverse Universe

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



EB0021



FF0024



99EB00



756A6B



B50019

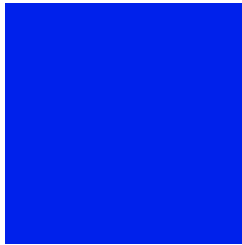


360008



# Previews

## White Background



This preview shows how the Hex color 0021EB looks on a white background.

## Color Contrast Check

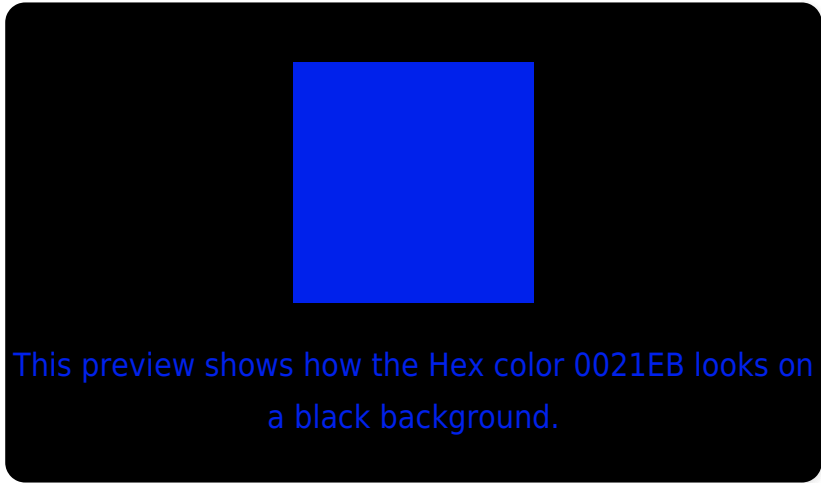
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

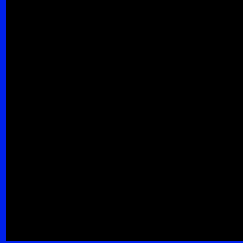
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0021EB Background



This preview shows how black text looks on a background with the Hex color 0021EB.



This preview shows how white text looks on a background with the Hex color 0021EB.

# 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**  
0021EB

**Protanopia**  
004998

**Deuteranopia**  
004E81



# Trichromacy



**Original Color**  
0021EB

**Protanomaly**  
003AB6

**Deuteranomaly**  
003EA8

**Tritanomaly**  
00418D

# Monochromacy



**Original Color**  
0021EB

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
1D2973

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0021EB 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 #0021EB looks like.

```
.text, #text, p{  
    color:#0021EB  
}
```

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 #0021EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0021EB
}
```

## Border

The CSS property to change the border of an element to Hex 0021EB 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
#0021EB }
```

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

```
.border{ border-color:#0021EB }
```

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

Here you see how a box with a 4 pixel #0021EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0021EB; -webkit-box-shadow:4px 4px  
4px 4px #0021EB; box-shadow:4px 4px 4px  
4px #0021EB }
```

# Background

The CSS property to change the background color of an element to Hex 0021EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0021EB }
```

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

```
.background{ background-color:#0021EB }
```

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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