

# Converting Colors

Hex(001EB6)

Have a look what the booklet for  
Hex(001EB6) contains.

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# Color

**Hex(001EB6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	001EB6
RGB	0, 30, 182
RGB Percent	0%, 12%, 71%
CMY	1.0000, 0.8824, 0.2863
CMYK	1.00, 0.84, 0.00, 0.29
HSL	230°, 100%, 36%
HSV	230°, 100%, 71%
XYZ	8.9078, 4.3059, 44.6176
YIQ	38.3580, -66.6720, 40.9120

# Conversions

## Conversions Part 2

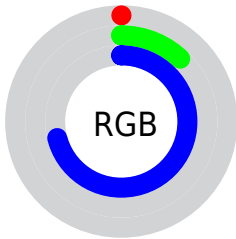
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 26, 182
Decimal	7862
CIELab	24.66, 51.86, -78.45
CIELCh	25, 94.046, 303.469
Yxy	4.3059, 0.1540, 0.0745
Android (android.graphics.Color)	4278197942 (0xFF001EB6)
YUV	38.3580, 70.8155, -33.6400
Hunter-Lab	20.7508, 40.3116, -112.9578

# Details

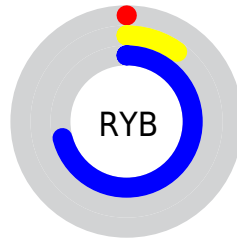
The Hex color **001EB6** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B69800**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **624EEF**, and **00007F** is the 20% darker color. If you saturate the color by 10%, you get **001EB6**, and if you desaturate by 10%, it is **122DB6**.

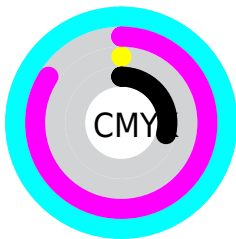
# Distribution



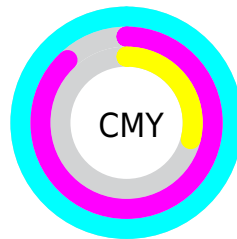
- Red (0%)
- Green (12%)
- Blue (71%)



- Red (0%)
- Yellow (10%)
- Blue (71%)



- Cyan (100%)
- Magenta (84%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (88%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 001EB6 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 001EB6 by changing the saturation by 10% instead.



■ 001EB6

■ 001EB6

FFFFFF

■ 00059A

■ 624EEF

■ 00007F

■ 8267FF

■ 000065

■ A181FF

■ 00094C

■ C09BFF

■ 000534

■ DEB7FF

■ 00021E

■ FDD3FF

■ 000001

■ FFEFFF

■ 000000

■ 001EB6

 122DB6

 243CB6

 374CB6

 495BB6

 5B6AB6

 6D79B6

 7F88B6

 9298B6

 A4A7B6

# Harmonies

## Analogous

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



0046D0



001EB6



8D007C

# Triad

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



001EB6



781000



005042

# Complementary

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



001EB6



B69800

# 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.



004E00



001EB6



423C00

# Square

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



001EB6



9D0000



004900



00528A

# Rectangle

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



001EB6



A5004E



004900



004F28



# Sweetspot

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



001EB6



A6B2ED



00B698



4D5478



F7F7F7



787878



# Same Dimension

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



001EB6



0027ED



3D00B6



53545C



001A9C



00051C



# Inverse Universe

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



B6001E



ED0027



79B600



5C5354



9C001A

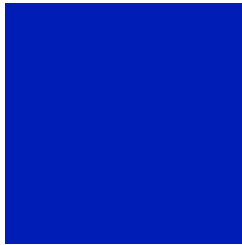


1C0005



# Previews

## White Background



This preview shows how the Hex color 001EB6 looks on a white background.

## Color Contrast Check

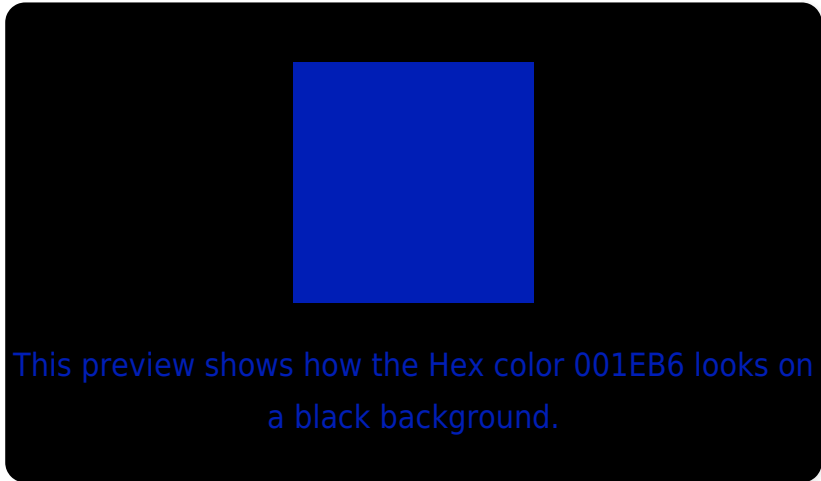
Large Text (above 18pt) WCAG AA ✓ Pass

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

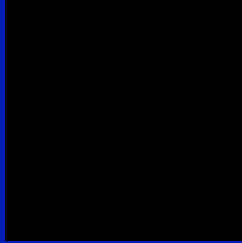
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 001EB6 Background



This preview shows how black text looks on a background with the Hex color 001EB6.



This preview shows how white text looks on a background with the Hex color 001EB6.

# 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**  
001EB6

**Protanopia**  
003979

**Deuteranopia**  
003D66



# Trichromacy



**Original Color**  
001EB6

**Protanomaly**  
002F8F

**Deuteranomaly**  
003283

**Tritanomaly**  
00356E

# Monochromacy



**Original Color**  
001EB6

**Achromatopsia**  
262626

**Achromatomaly**  
18235A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 001EB6 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 #001EB6 looks like.

```
.text, #text, p{  
    color:#001EB6  
}
```

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 #001EB6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #001EB6 }  
}
```

## Border

The CSS property to change the border of an element to Hex 001EB6 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 #001EB6 }  
}
```

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

```
.border{ border-color:#001EB6 }
```

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

Here you see how a box with a 4 pixel #001EB6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #001EB6; -webkit-box-shadow:4px 4px  
4px 4px #001EB6; box-shadow:4px 4px 4px  
4px #001EB6 }
```

# Background

The CSS property to change the background color of an element to Hex 001EB6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#001EB6 }
```

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

```
.background{ background-color:#001EB6 }
```

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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