

# Converting Colors

Hex(6000EB)

Have a look what the booklet for  
Hex(6000EB) contains.

<b>Hex(6000EB)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(6000EB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6000EB
RGB	96, 0, 235
RGB Percent	38%, 0%, 92%
CMY	0.6235, 1.0000, 0.0784
CMYK	0.59, 1.00, 0.00, 0.08
HSL	265°, 100%, 46%
HSV	265°, 100%, 92%
XYZ	19.8193, 8.4850, 79.1904
YIQ	55.4940, -18.2190, 93.4370

# Conversions

## Conversions Part 2

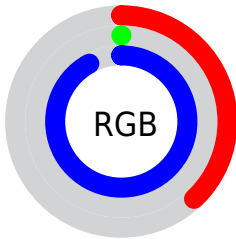
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 0, 235
Decimal	6291691
CIELab	34.97, 76.78, -91.98
CIElCh	35, 119.814, 309.857
Yxy	8.4850, 0.1844, 0.0789
Android (android.graphics.Color)	4284481771 (0xFF6000EB)
YUV	55.4940, 88.4965, 35.5238
Hunter-Lab	29.1289, 70.4753, -140.7965

# Details

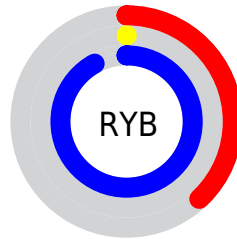
The Hex color **6000EB** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **8BEB00**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **A24CFF**, and **0000B1** is the 20% darker color. If you saturate the color by 10%, you get **6000EB**, and if you desaturate by 10%, it is **6E17EB**.

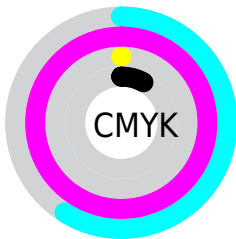
# Distribution



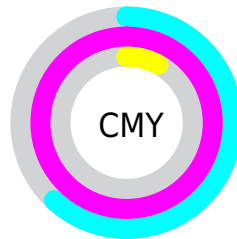
- Red (38%)
- Green (0%)
- Blue (92%)



- Red (38%)
- Yellow (0%)
- Blue (92%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



- Cyan (62%)
- Magenta (100%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6000EB 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 6000EB by changing the saturation by 10% instead.




 6000EB

 6000EB


FFFFFF

 3900CE

 A24CFF

 0000B1

 C268FF

 000096

 E184FF

 00007B


 FFA1FF

 000661

 FFBDFD

 000848

 FFDAFF

 000430

 FFF8FF

 00011A

 000000

 6000EB

 6E17EB

 7C2FEB

 8A47EB

 985EEB

 A576EB

 B38DEB

 C1A4EB

 CFBCEB

 DDD3EB

# Harmonies

## Analogous

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



005CFF



6000EB



CF0097

# Triad

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



6000EB



972F00



006F71

# Complementary

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



6000EB



8BEB00

# 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.



006C00



6000EB



485900

# Square

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



6000EB



CE0000



006800



0072CF

# Rectangle

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



6000EB



E60058



006800



006E50



# Sweetspot

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



6000EB



D2B3FF



008DEB



645280



000000



808080



# Same Dimension

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



6000EB



6800FF



D400EB



6E6A75



4A00B5



160036



# Inverse Universe

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



EB008B



FF0097



18EB00



756A71



B5006B

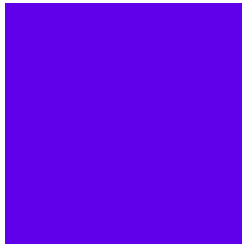


360020



# Previews

## White Background



This preview shows how the Hex color 6000EB looks on a white background.

## Color Contrast Check

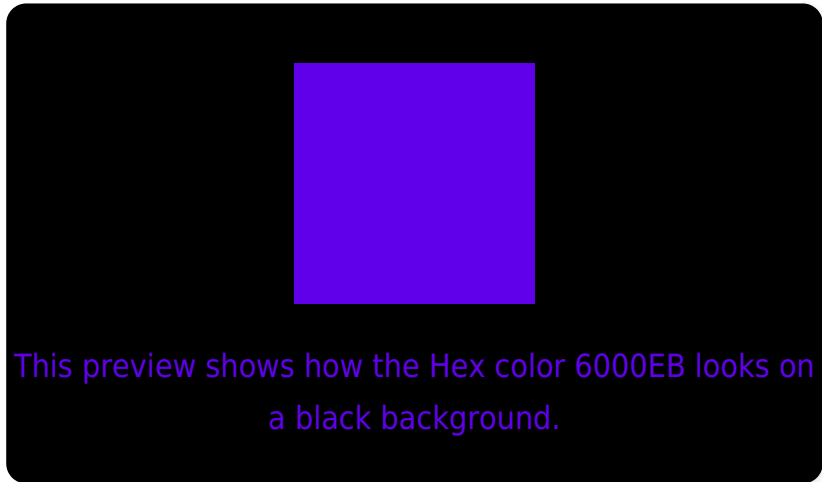
Large Text (above 18pt) WCAG AA ✓ Pass

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

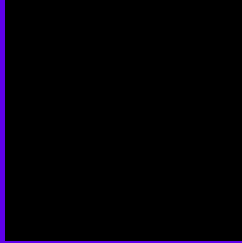
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6000EB Background



This preview shows how black text looks on a background with the Hex color 6000EB.

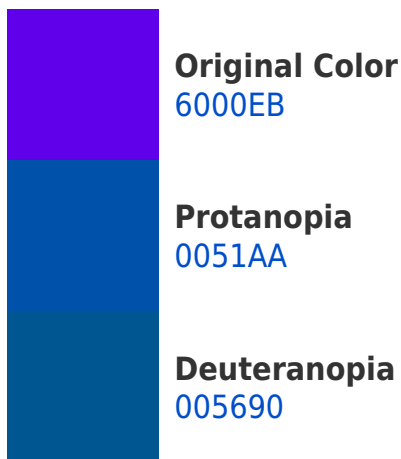



This preview shows how white text looks on a background with the Hex color 6000EB.

# 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**  
235B63

# Trichromacy



**Original Color**  
6000EB



**Protanomaly**  
2334C2



**Deuteranomaly**  
2337B1



**Tritanomaly**  
393A94

# Monochromacy



**Original Color**  
6000EB



**Achromatopsia**  
373737



**Achromatomaly**  
462378

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6000EB 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 #6000EB looks like.

```
.text, #text, p{  
    color:#6000EB  
}
```

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 #6000EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6000EB
}
```

## Border

The CSS property to change the border of an element to Hex 6000EB 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".

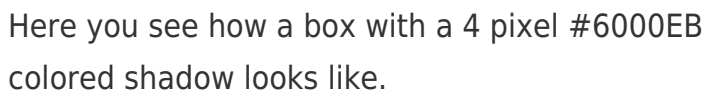
```
.border, #border, table{ border:4px solid
#6000EB }
```

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

```
.border{ border-color:#6000EB }
```

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

Here you see how a box with a 4 pixel #6000EB colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6000EB; -webkit-box-shadow:4px 4px  
4px 4px #6000EB; box-shadow:4px 4px 4px  
4px #6000EB }
```

# Background

The CSS property to change the background color of an element to Hex 6000EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6000EB }
```

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

```
.background{ background-color:#6000EB }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**