

# Converting Colors

Hex(006EB5)

Have a look what the booklet for  
Hex(006EB5) contains.

<b>Hex(006EB5)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(006EB5)

# Conversions

## Conversions Part 1

Format	Color
Hex	006EB5
RGB	0, 110, 181
RGB Percent	0%, 43%, 71%
CMY	1.0000, 0.5686, 0.2902
CMYK	1.00, 0.39, 0.00, 0.29
HSL	204°, 100%, 35%
HSV	204°, 100%, 71%
XYZ	13.9164, 14.4881, 45.7791
YIQ	85.2040, -88.3510, -1.2390

# Conversions

## Conversions Part 2

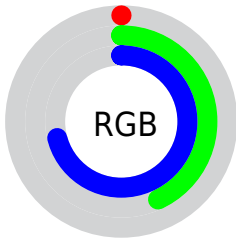
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 68, 181</a>
Decimal	<a href="#">28341</a>
CIELab	<a href="#">44.92, 0.92, -44.79</a>
CIElCh	<a href="#">45, 44.797, 271.183</a>
Yxy	<a href="#">14.4881, 0.1876, 0.1953</a>
Android (android.graphics.Color)	<a href="#">4278218421 (0xFF006EB5)</a>
YUV	<a href="#">85.2040, 47.2274, -74.7239</a>
Hunter-Lab	<a href="#">38.0632, -1.3485, -44.6646</a>

# Details

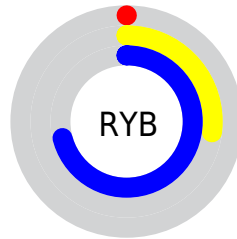
The Hex color **006EB5** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B54700**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **5CA1ED**, and **003F80** is the 20% darker color. If you saturate the color by 10%, you get **006EB5**, and if you desaturate by 10%, it is **1275B5**.

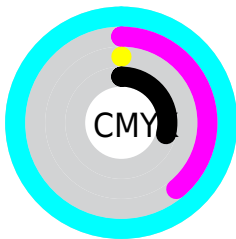
# Distribution



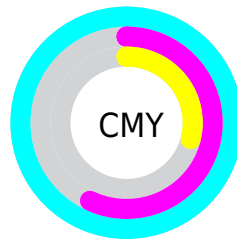
- Red (0%)
- Green (43%)
- Blue (71%)



- Red (0%)
- Yellow (27%)
- Blue (71%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (57%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006EB5 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 006EB5 by changing the saturation by 10% instead.



■ 006EB5

■ 006EB5

FFFFFF

■ 00569A

■ 5CA1ED

■ 003F80

■ 7BBCFF

■ 002A66

■ 99D8FF

■ 00164E

■ B7F4FF

■ 000536

■ D5FFFF

■ 000220

■ F3FFFF

■ 000004

■ 000000

■ 006EB5

 1275B5

 247CB5

 3683B5

 488AB5

 5B92B5

 6D99B5

 7FA0B5

 91A7B5

 A3AEB5

# Harmonies

## Analogous

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



0077AB



006EB5



6D60AA

# Triad

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



006EB5



AC4D46



1D7A45

# Complementary

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



006EB5



B54700

# 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.



577326



006EB5



9A5B28

# Square

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



006EB5



AD486A



7D6919



007C6B

# Rectangle

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



006EB5



8D559A



7D6919



367839



# Sweetspot

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



006EB5



A4CFEB



00B545



4B6575



F5F5F5



757575



# Same Dimension

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



006EB5



008FEB



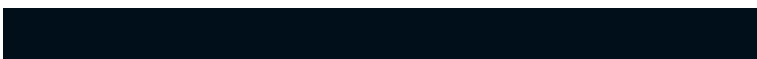
0015B5



505659



005D99



000F1A



# Inverse Universe

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



B5006E



EB008F



B5A000



595056



99005D



1A000F



# Previews

## White Background



This preview shows how the Hex color 006EB5 looks on a white background.

## Color Contrast Check

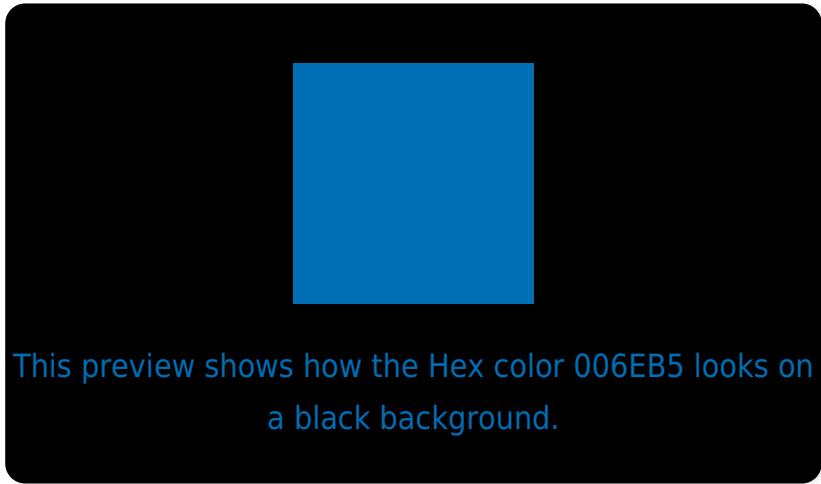
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

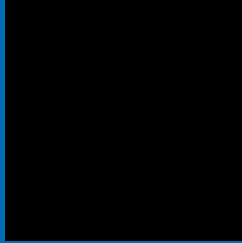
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006EB5 Background



This preview shows how black text looks on a background with the Hex color 006EB5.

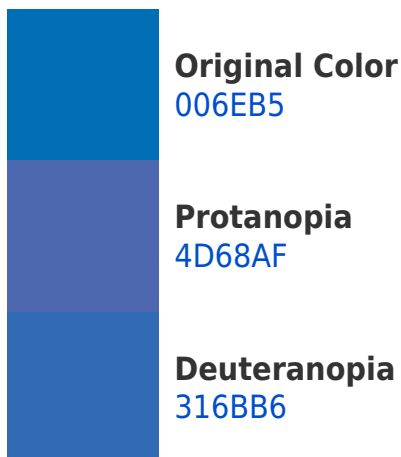


This preview shows how white text looks on a background with the Hex color 006EB5.

# 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](#).

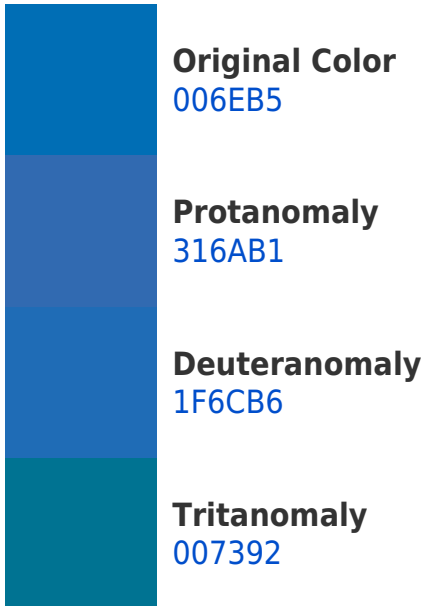
## Dichromacy





**Tritanopia**  
00767E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006EB5 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 #006EB5 looks like.

```
.text, #text, p{  
    color:#006EB5  
}
```

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 #006EB5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006EB5
}
```

## Border

The CSS property to change the border of an element to Hex 006EB5 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
#006EB5 }
```

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

```
.border{ border-color:#006EB5 }
```

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

Here you see how a box with a 4 pixel #006EB5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006EB5; -webkit-box-shadow:4px 4px  
4px 4px #006EB5; box-shadow:4px 4px 4px  
4px #006EB5 }
```

# Background

The CSS property to change the background color of an element to Hex 006EB5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006EB5 }
```

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

```
.background{ background-color:#006EB5 }
```

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