

# Converting Colors

Hex(0066B5)

Have a look what the booklet for  
Hex(0066B5) contains.

<b>Hex(0066B5)</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(0066B5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0066B5
RGB	0, 102, 181
RGB Percent	0%, 40%, 71%
CMY	1.0000, 0.6000, 0.2902
CMYK	1.00, 0.44, 0.00, 0.29
HSL	206°, 100%, 35%
HSV	206°, 100%, 71%
XYZ	13.0919, 12.8389, 45.5042
YIQ	80.5080, -86.1510, 2.9450

# Conversions

## Conversions Part 2

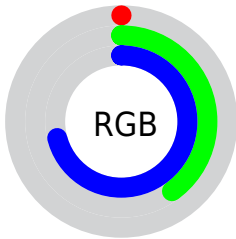
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 65, 181
Decimal	26293
CIELab	42.52, 5.98, -48.63
CIElCh	43, 49.000, 277.011
Yxy	12.8389, 0.1833, 0.1797
Android (android.graphics.Color)	4278216373 (0xFF0066B5)
YUV	80.5080, 49.5426, -70.6055
Hunter-Lab	35.8315, 2.5141, -50.2134

# Details

The Hex color **0066B5** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **B54F00**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **5C98ED**, and **00387F** is the 20% darker color. If you saturate the color by 10%, you get **0066B5**, and if you desaturate by 10%, it is **126EB5**.

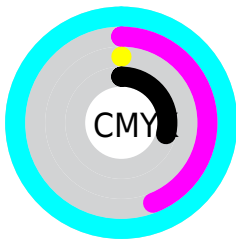
# Distribution



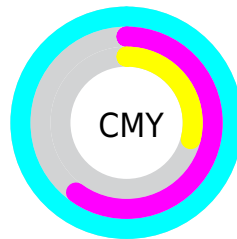
- Red (0%)
- Green (40%)
- Blue (71%)



- Red (0%)
- Yellow (25%)
- Blue (71%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (60%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0066B5 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 0066B5 by changing the saturation by 10% instead.



0066B5

0066B5

FFFFFF

004E9A

5C98ED

00387F

7BB3FF

002466

99CEFF

000D4D

B7EAFB

000536

D5FFFF

000220

F3FFFF

000003

000000

0066B5

 126EB5

 2476B5

 367EB5

 4886B5

 5B8EB5

 6D95B5

 7F9DB5

 91A5B5

 A3ADB5

# Harmonies

## Analogous

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



0071AF



0066B5



7255A5

# Triad

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



0066B5



A74636



007543

# Complementary

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



0066B5



B54F00

# 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.



45701D



0066B5



915715

# Square

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



0066B5



AD3C5D



706602



00776D

# Rectangle

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



0066B5



914991



706602



147436



# Sweetspot

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



0066B5



A4CCEB



00B54E



4B6375



F5F5F5



757575



# Same Dimension

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



0066B5



0084EB



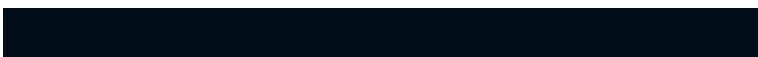
000CB5



505559



005699



000E1A



# Inverse Universe

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



B50066



EB0084



B5A900



595055



990056



1A000E



# Previews

## White Background



This preview shows how the Hex color 0066B5 looks on a white background.

### Color Contrast Check

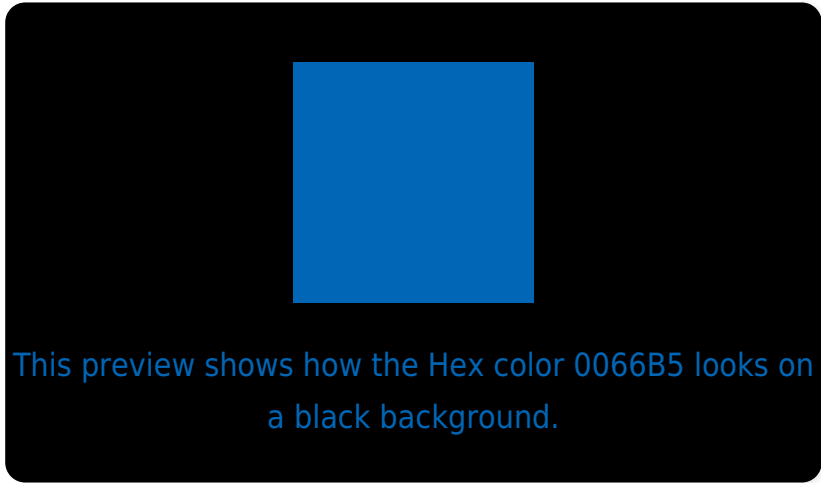
Large Text (above 18pt) WCAG AA ✓ Pass

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

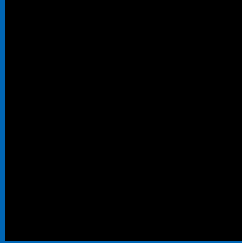
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0066B5 Background



This preview shows how black text looks on a background with the Hex color 0066B5.



This preview shows how white text looks on a background with the Hex color 0066B5.

# 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**  
006F77

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0066B5 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 #0066B5 looks like.

```
.text, #text, p{  
    color:#0066B5  
}
```

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 #0066B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0066B5
}
```

## Border

The CSS property to change the border of an element to Hex 0066B5 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
#0066B5 }
```

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

```
.border{ border-color:#0066B5 }
```

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

Here you see how a box with a 4 pixel #0066B5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0066B5; -webkit-box-shadow:4px 4px  
4px 4px #0066B5; box-shadow:4px 4px 4px  
4px #0066B5 }
```

# Background

The CSS property to change the background color of an element to Hex 0066B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0066B5 }
```

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

```
.background{ background-color:#0066B5 }
```

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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