

# Converting Colors

Hex(006BBB)

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

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# Color

**Hex(006BBB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006BBB
RGB	0, 107, 187
RGB Percent	0%, 42%, 73%
CMY	1.0000, 0.5804, 0.2667
CMYK	1.00, 0.43, 0.00, 0.27
HSL	206°, 100%, 37%
HSV	206°, 100%, 73%
XYZ	14.2273, 14.1032, 48.9860
YIQ	84.1270, -89.4520, 2.1960

# Conversions

## Conversions Part 2

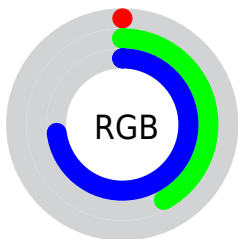
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 187
Decimal	27579
CIELab	44.38, 5.22, -49.15
CIELCh	44, 49.422, 276.061
Yxy	14.1032, 0.1840, 0.1824
Android (android.graphics.Color)	4278217659 (0xFF006BBB)
YUV	84.1270, 50.7164, -73.7794
Hunter-Lab	37.5543, 1.9042, -51.0502

# Details

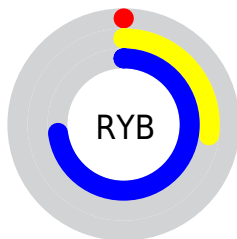
The Hex color **006BBB** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **BB5000**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **5E9EF4**, and **003D85** is the 20% darker color. If you saturate the color by 10%, you get **006BBB**, and if you desaturate by 10%, it is **1373BB**.

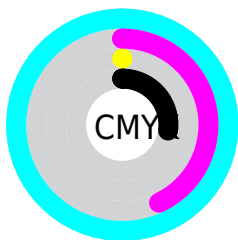
# Distribution



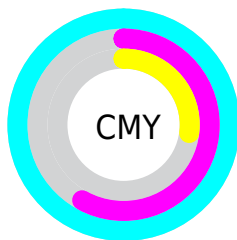
- Red (0%)
- Green (42%)
- Blue (73%)



- Red (0%)
- Yellow (27%)
- Blue (73%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (58%)
- Yellow (27%)

# Brightness & Saturation Gradients

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



 006BBB

 006BBB

FFFFFF

 0053A0

 5E9EF4

 003D85

 7DB9FF

 00286B

 9BD4FF

 001453

 B9F0FF

 00063B

 D7FFFF

 000224

 F6FFFF

 00000C

 000000

 006BBB

 1373BB

 257BBB

 3883BB

 4B8BBB

 5E93BB

 709BBB

 83A3BB

 96ABBB

 A8B3BB

# Harmonies

## Analogous

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



0076B4



006BBB



755AAC

# Triad

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



006BBB



AE4A3B



007A46

# Complementary

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



006BBB



BB5000

# 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.



4B7420



006BBB



985B19

# Square

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



006BBB



B24062



766A07



007C70

# Rectangle

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



006BBB



954E97



766A07



1D7838



# Sweetspot

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



006BBB



AAD3F2



00BB4E



4E687A



FAFAFA



7A7A7A



# Same Dimension

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



006BBB



008BF2



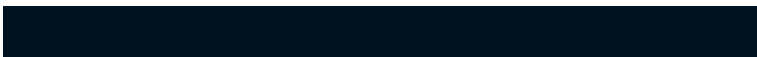
0010BB



555A5E



005A9E



00121F



# Inverse Universe

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



BB006B



F2008B



BBAB00



5E555A



9E005A



1F0012



# Previews

## White Background



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

### Color Contrast Check

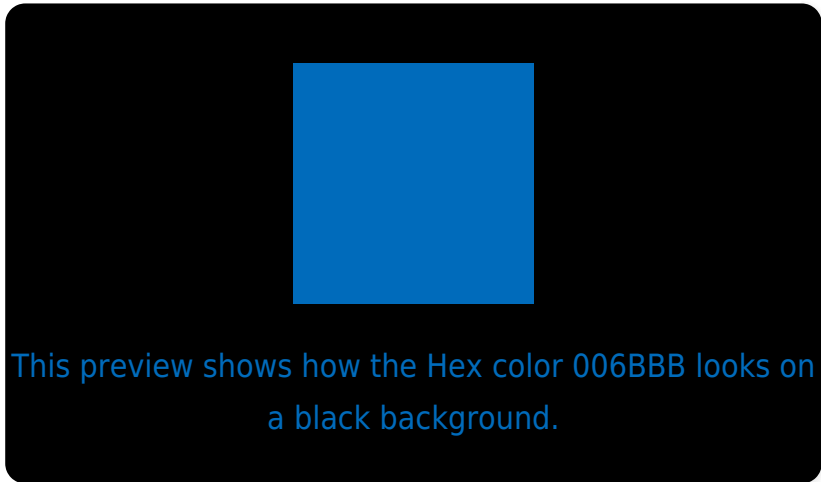
Large Text (above 18pt) WCAG AA ✓ Pass

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

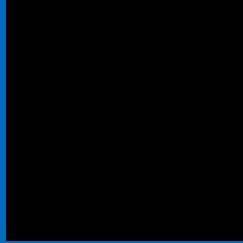
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006BBB Background



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



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

# 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](#).

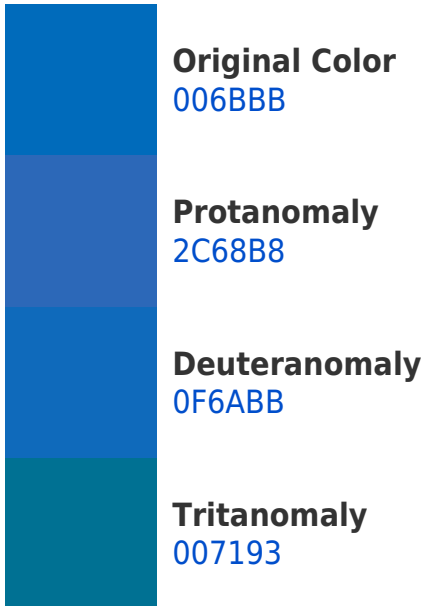
## Dichromacy





**Tritanopia**  
00747C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #006BBB colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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