

# Converting Colors

Hex(006BD4)

Have a look what the booklet for  
Hex(006BD4) contains.

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# Color

**Hex(006BD4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	006BD4
RGB	0, 107, 212
RGB Percent	0%, 42%, 83%
CMY	1.0000, 0.5804, 0.1686
CMYK	1.00, 0.50, 0.00, 0.17
HSL	210°, 100%, 42%
HSV	210°, 100%, 83%
XYZ	17.1414, 15.2689, 64.3311
YIQ	86.9770, -97.4770, 9.9710

# Conversions

## Conversions Part 2

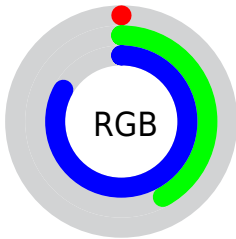
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 71, 212
Decimal	27604
CIE Lab	46.00, 15.25, -60.93
CIE LCh	46, 62.805, 284.052
Yxy	15.2689, 0.1772, 0.1578
Android (android.graphics.Color)	4278217684 (0xFF006BD4)
YUV	86.9770, 61.6363, -76.2788
Hunter-Lab	39.0754, 9.9214, -70.2583

# Details

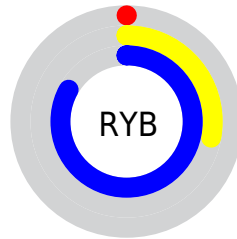
The Hex color **006BD4** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D46900**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **659EFF**, and **003D9C** is the 20% darker color. If you saturate the color by 10%, you get **006BD4**, and if you desaturate by 10%, it is **1575D4**.

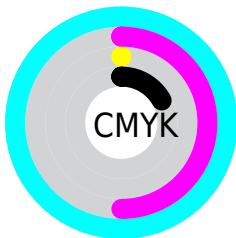
# Distribution



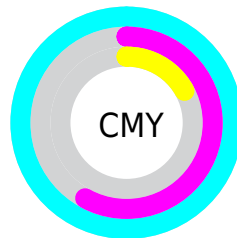
- Red (0%)
- Green (42%)
- Blue (83%)



- Red (0%)
- Yellow (28%)
- Blue (83%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (58%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006BD4 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 006BD4 by changing the saturation by 10% instead.



 006BD4

 006BD4

FFFFFF

 0053B8

 659EFF

 003D9C

 85B8FF

 002982

 A4D4FF


 001668


 C3F0FF

 000A4F

 E2FFFF

 000537

 000221

 000006

 000000

 006BD4

 1575D4

 2A80D4

 408BD4

 5595D4

 6AA0D4

 7FAAD4

 94B5D4

 AABFD4

 BFCAD4

# Harmonies

## Analogous

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



007BD3



006BD4



8D52B9

# Triad

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



006BD4



BB4725



00834E

# Complementary

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



006BD4



D46900

# 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.



2C7D15



006BD4



9B6000

# Square

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



006BD4



C93157



6D7200



008485

# Rectangle

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



006BD4



B03F9C



6D7200



00813C

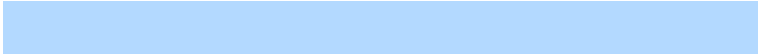


# Sweetspot

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



006BD4



B3D9FF



00D466



526980



000000



808080



# Same Dimension

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



006BD4



0081FF



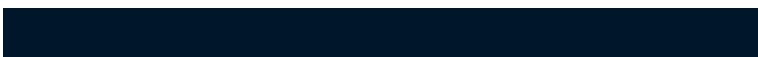
0004D4



60666B



0056AB



00162B



# Inverse Universe

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



D4006B



FF0081



D4D000



6B6066



AB0056



2B0016



# Previews

## White Background



This preview shows how the Hex color 006BD4 looks on a white background.

## Color Contrast Check

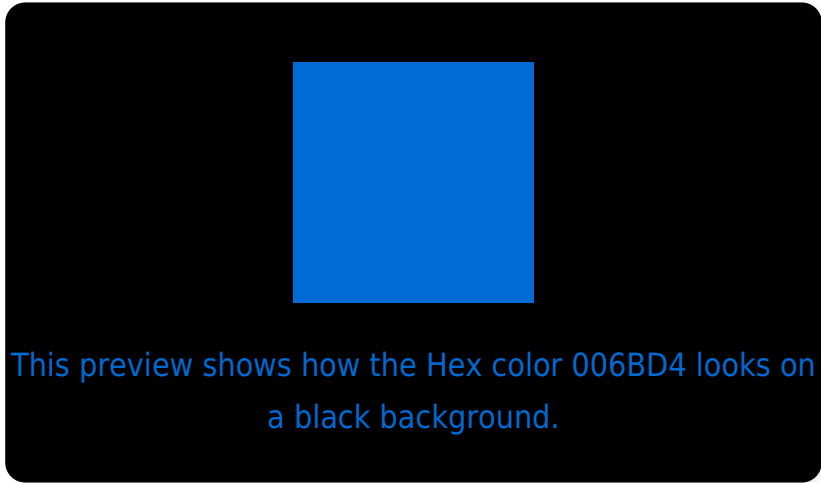
Large Text (above 18pt) WCAG AA ✓ Pass

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

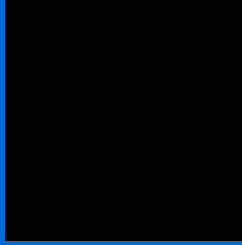
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006BD4 Background



This preview shows how black text looks on a background with the Hex color 006BD4.



This preview shows how white text looks on a background with the Hex color 006BD4.

# 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**  
007980

# Trichromacy



**Original Color**  
006BD4

**Protanomaly**  
1E6AD3

**Deuteranomaly**  
006EC8

**Tritanomaly**  
00749F

# Monochromacy



**Original Color**  
006BD4

**Achromatopsia**  
575757

**Achromatomaly**  
375E84

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006BD4 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 #006BD4 looks like.

```
.text, #text, p{  
    color:#006BD4  
}
```

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 #006BD4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006BD4
}
```

## Border

The CSS property to change the border of an element to Hex 006BD4 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
#006BD4 }
```

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

```
.border{ border-color:#006BD4 }
```

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

Here you see how a box with a 4 pixel #006BD4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006BD4; -webkit-box-shadow:4px 4px  
4px 4px #006BD4; box-shadow:4px 4px 4px  
4px #006BD4 }
```

# Background

The CSS property to change the background color of an element to Hex 006BD4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006BD4 }
```

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

```
.background{ background-color:#006BD4 }
```

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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