

# Converting Colors

Hex(0006AC)

Have a look what the booklet for  
Hex(0006AC) contains.

<b>Hex(0006AC)</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(0006AC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0006AC
RGB	0, 6, 172
RGB Percent	0%, 2%, 67%
CMY	1.0000, 0.9765, 0.3255
CMYK	1.00, 0.97, 0.00, 0.33
HSL	238°, 100%, 34%
HSV	238°, 100%, 67%
XYZ	7.5115, 3.1088, 39.2339
YIQ	23.1300, -56.8620, 50.3540

# Conversions

## Conversions Part 2

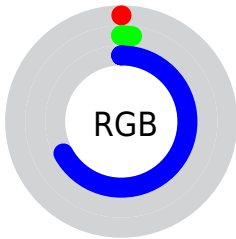
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 6, 172
Decimal	1708
CIELab	20.47, 57.35, -79.43
CIELCh	20, 97.973, 305.830
Yxy	3.1088, 0.1507, 0.0624
Android (android.graphics.Color)	4278191788 (0xFF0006AC)
YUV	23.1300, 73.3929, -20.2850
Hunter-Lab	17.6318, 45.1891, -119.5884

# Details

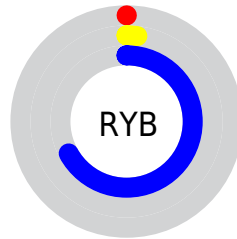
The Hex color **0006AC** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **ACA600**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **603DE5**, and **000076** is the 20% darker color. If you saturate the color by 10%, you get **0006AC**, and if you desaturate by 10%, it is **1117AC**.

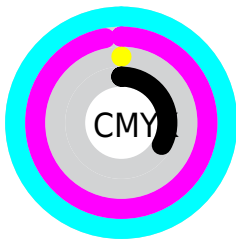
# Distribution



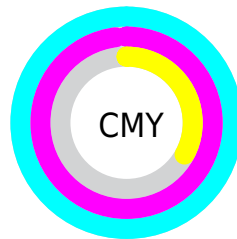
- Red (0%)
- Green (2%)
- Blue (67%)



- Red (0%)
- Yellow (2%)
- Blue (67%)



- Cyan (100%)
- Magenta (97%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (98%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0006AC 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 0006AC by changing the saturation by 10% instead.



 0006AC

 0006AC

 FFFBFF

 000091

 603DE5

 000076

 8057FF

 00015C

 9F71FF

 000743

 BE8BFF

 00032C

 DCA6FF

 000117

 FBC2FF

 000000

 FFDEFF

 0006AC

■ 1117AC

■ 2227AC

■ 3438AC

■ 4548AC

■ 5659AC

■ 676AAC

■ 787AAC

■ 8A8BAC

■ 9B9BAC

# Harmonies

## Analogous

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



003DCA



0006AC



88006E

# Triad

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



0006AC



690600



00463F

# Complementary

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



0006AC



ACA600

# 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.



004400



0006AC



313400

# Square

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



0006AC



900000



004000



004987

# Rectangle

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



0006AC



9D003F



004000



004525



# Sweetspot

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



0006AC



9D9FE0



00ACA3



484970



F0F0F0



707070



# Same Dimension

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



0006AC



0008E0



4D00AC



4E4E57



000596



000117



# Inverse Universe

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



AC0006



E00008



5FAC00



574E4E



960005

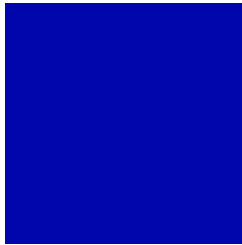


170001



# Previews

## White Background



This preview shows how the Hex color 0006AC looks on a white background.

## Color Contrast Check

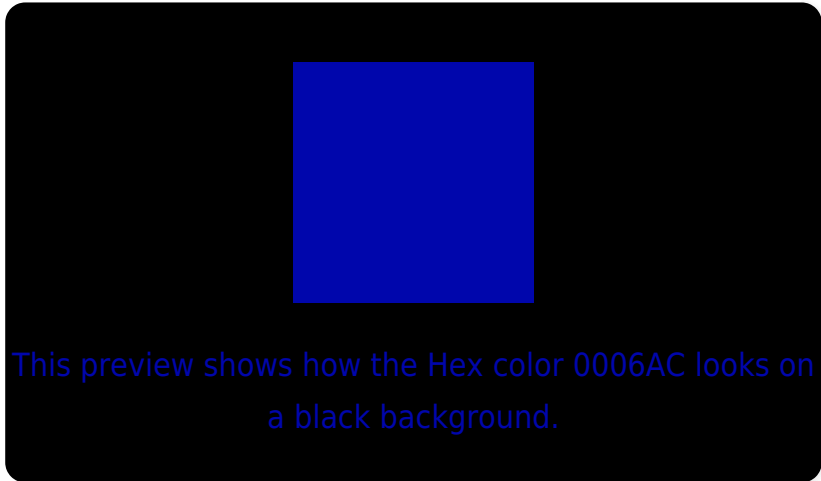
Large Text (above 18pt) WCAG AA ✓ Pass

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

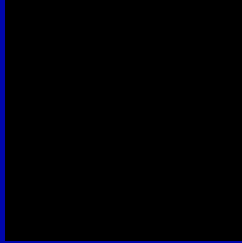
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0006AC Background



This preview shows how black text looks on a background with the Hex color 0006AC.



This preview shows how white text looks on a background with the Hex color 0006AC.

# 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



**Original Color**  
0006AC

**Protanopia**  
00326A

**Deuteranopia**  
003659



**Tritanopia**  
003A3D

# Trichromacy



**Original Color**  
0006AC

**Protanomaly**  
002282

**Deuteranomaly**  
002577

**Tritanomaly**  
002765

# Monochromacy



**Original Color**  
0006AC

**Achromatopsia**  
171717

**Achromatomaly**  
0F114D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0006AC 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 #0006AC looks like.

```
.text, #text, p{  
    color:#0006AC  
}
```

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 #0006AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0006AC
}
```

## Border

The CSS property to change the border of an element to Hex 0006AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

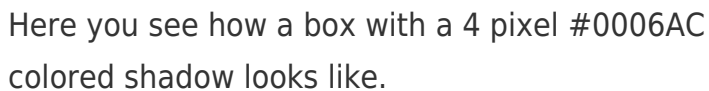
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0006AC }
```

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

```
.border{ border-color:#0006AC }
```

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



Here you see how a box with a 4 pixel #0006AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0006AC; -webkit-box-shadow:4px 4px  
4px 4px #0006AC; box-shadow:4px 4px 4px  
4px #0006AC }
```

# Background

The CSS property to change the background color of an element to Hex 0006AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0006AC }
```

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

```
.background{ background-color:#0006AC }
```

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