

# Converting Colors

Hex(0065AB)

Have a look what the booklet for  
Hex(0065AB) contains.

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# Color

**Hex(0065AB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0065AB
RGB	0, 101, 171
RGB Percent	0%, 40%, 67%
CMY	1.0000, 0.6039, 0.3294
CMYK	1.00, 0.41, 0.00, 0.33
HSL	205°, 100%, 34%
HSV	205°, 100%, 67%
XYZ	12.0044, 12.2476, 40.2594
YIQ	78.7810, -82.6660, 0.3580

# Conversions

## Conversions Part 2

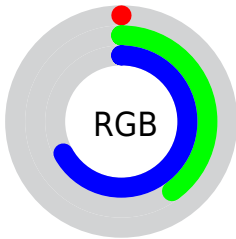
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 171
Decimal	26027
CIELab	41.61, 2.56, -44.23
CIELCh	42, 44.300, 273.309
Yxy	12.2476, 0.1861, 0.1899
Android (android.graphics.Color)	4278216107 (0xFF0065AB)
YUV	78.7810, 45.4640, -69.0909
Hunter-Lab	34.9966, -0.0159, -43.7084

# Details

The Hex color **0065AB** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AB4600**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **5997E3**, and **003776** is the 20% darker color. If you saturate the color by 10%, you get **0065AB**, and if you desaturate by 10%, it is **116CAB**.

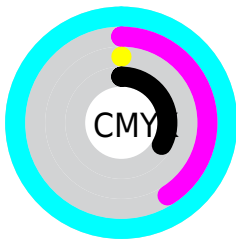
# Distribution



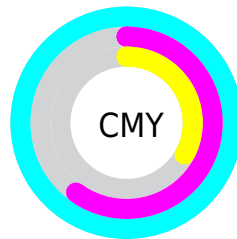
- Red (0%)
- Green (40%)
- Blue (67%)



- Red (0%)
- Yellow (25%)
- Blue (67%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (60%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0065AB 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 0065AB by changing the saturation by 10% instead.



 0065AB

 0065AB

FFFFFF

 004D90

 5997E3

 003776

 78B2FF

 00235D

 95CDFF

 000B45

 B3E9FF

 00042E


 D0FFFF

 000118

 EFFFFFFF

 000000

 0065AB

 116CAB

■ 2273AB

■ 337AAB

■ 4481AB

■ 5588AB

■ 678FAB

■ 7896AB

■ 899DAB

■ 9AA4AB

# Harmonies

## Analogous

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



006EA3



0065AB



68579F

# Triad

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



0065AB



A1463C



067140

# Complementary

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



0065AB



AB4600

# 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.



4C6B20



0065AB



8F541F

# Square

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



0065AB



A33F60



716210



007465

# Rectangle

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



0065AB



864C8E



716210



2A7034



# Sweetspot

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



0065AB



9BC3DE



00AB44



486070



F0F0F0



707070



# Same Dimension

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



0065AB



0083DE



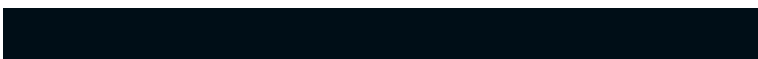
0011AB



4E5357



005996



000E17



# Inverse Universe

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



AB0065



DE0083



AB9A00



574E53



960059



17000E



# Previews

## White Background



This preview shows how the Hex color 0065AB looks on a white background.

### Color Contrast Check

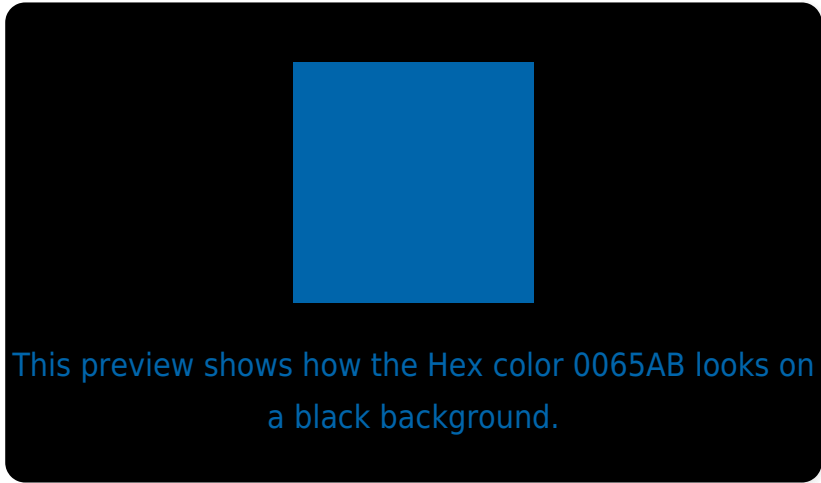
Large Text (above 18pt) WCAG AA ✓ Pass

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

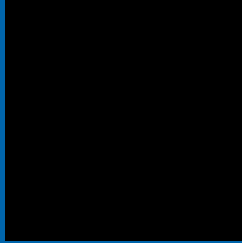
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0065AB Background



This preview shows how black text looks on a background with the Hex color 0065AB.

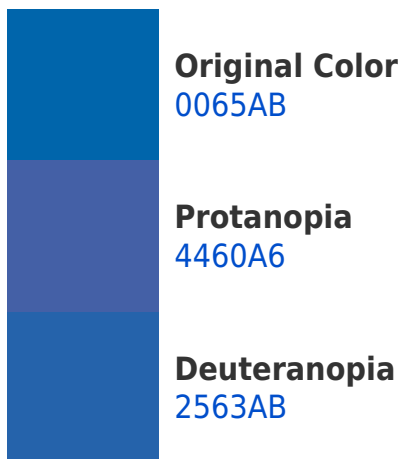


This preview shows how white text looks on a background with the Hex color 0065AB.

# 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](#).

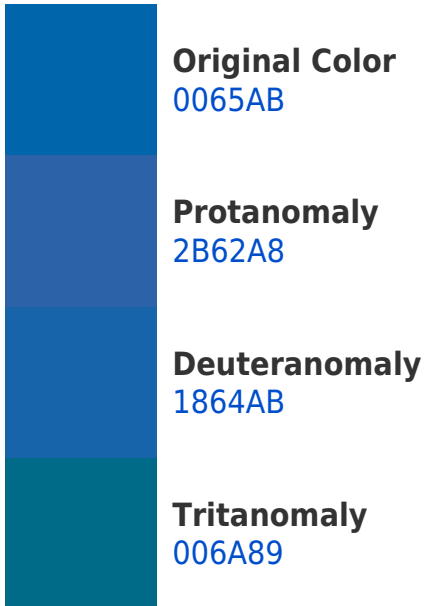
## Dichromacy



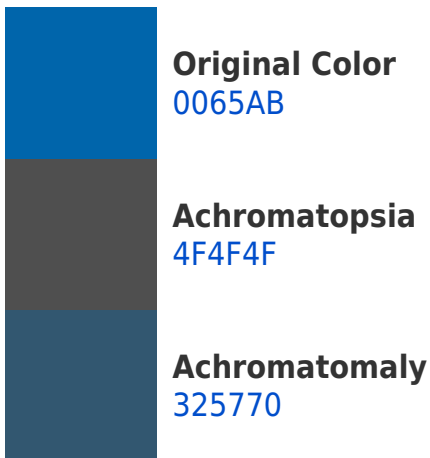


**Tritanopia**  
006D75

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0065AB 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 #0065AB looks like.

```
.text, #text, p{  
    color:#0065AB  
}
```

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 #0065AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0065AB
}
```

## Border

The CSS property to change the border of an element to Hex 0065AB 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
#0065AB }
```

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

```
.border{ border-color:#0065AB }
```

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

Here you see how a box with a 4 pixel #0065AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0065AB; -webkit-box-shadow:4px 4px  
4px 4px #0065AB; box-shadow:4px 4px 4px  
4px #0065AB }
```

# Background

The CSS property to change the background color of an element to Hex 0065AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0065AB }
```

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

```
.background{ background-color:#0065AB }
```

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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