

# Converting Colors

Hex(006AE8)

Have a look what the booklet for  
Hex(006AE8) contains.

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**Color**

**Hex(006AE8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006AE8
RGB	0, 106, 232
RGB Percent	0%, 42%, 91%
CMY	1.0000, 0.5843, 0.0902
CMYK	1.00, 0.54, 0.00, 0.09
HSL	213°, 100%, 45%
HSV	213°, 100%, 91%
XYZ	19.7195, 16.1343, 78.4188
YIQ	88.6700, -103.6220, 16.7140

# Conversions

## Conversions Part 2

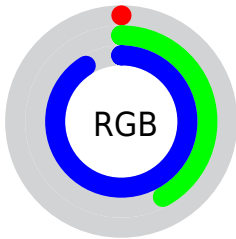
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 73, 232
Decimal	27368
CIELab	47.15, 23.80, -70.39
CIELCh	47, 74.309, 288.680
Yxy	16.1343, 0.1726, 0.1412
Android (android.graphics.Color)	4278217448 (0xFF006AE8)
YUV	88.6700, 70.6617, -77.7636
Hunter-Lab	40.1675, 17.3384, -87.6344

# Details

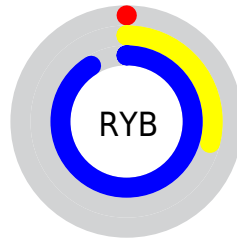
The Hex color **006AE8** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **E87E00**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **6B9CFF**, and **003CAF** is the 20% darker color. If you saturate the color by 10%, you get **006AE8**, and if you desaturate by 10%, it is **1777E8**.

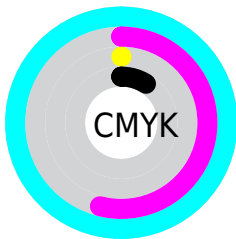
# Distribution



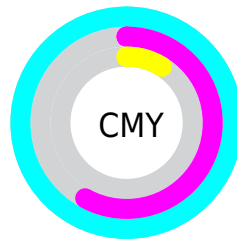
- Red (0%)
- Green (42%)
- Blue (91%)



- Red (0%)
- Yellow (29%)
- Blue (91%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (58%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006AE8 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 006AE8 by changing the saturation by 10% instead.



 006AE8

 006AE8

FFFFFF

 0052CB

 6B9CFF

 003CAF

 8CB7FF

 002894

 ACD3FF

 001779

 CCEFFF

 000660

 EBFFFF

 000847

 00042F

 00011A

 000000

 006AE8

 1777E8

 2E83E8

 4690E8

 5D9CE8

 74A9E8

 8BB6E8

 A2C2E8

 BACFE8

 D1DBE8

# Harmonies

## Analogous

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



007FEC



006AE8



A148C3

# Triad

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



006AE8



C54509



008955

# Complementary

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



006AE8



E87E00

# 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.



008407



006AE8



9C6500

# Square

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



006AE8



DA194C



637900



008A96

# Rectangle

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



006AE8



C62A9F



637900



00873F



# Sweetspot

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



006AE8



B3D5FF



00E87C



526780



000000



808080



# Same Dimension

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



006AE8



0075FF



0800E8



676D73



0052B3



001733



# Inverse Universe

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



E8006A



FF0075



E0E800



73676D



B30052



330017



# Previews

## White Background



This preview shows how the Hex color 006AE8 looks on a white background.

## Color Contrast Check

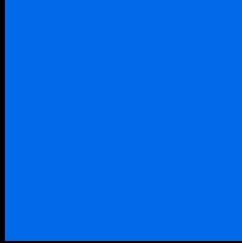
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 006AE8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

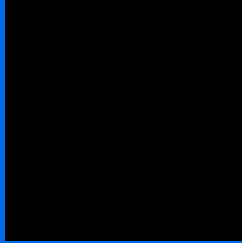
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

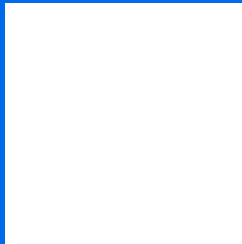
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 006AE8 Background



This preview shows how black text looks on a background with the Hex color 006AE8.



This preview shows how white text looks on a background with the Hex color 006AE8.

# 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**

006AE8

**Protanopia**

006BE4

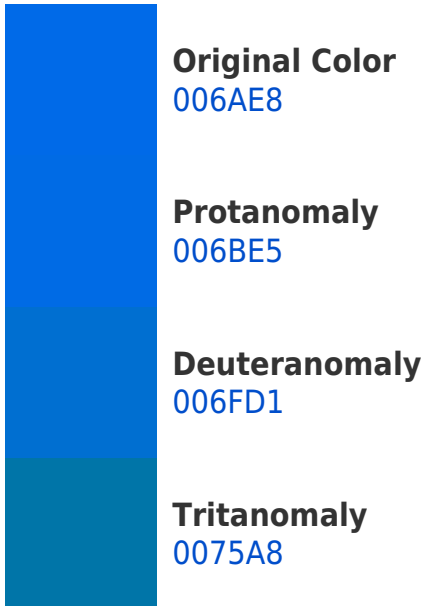
**Deuteranopia**

0072C4

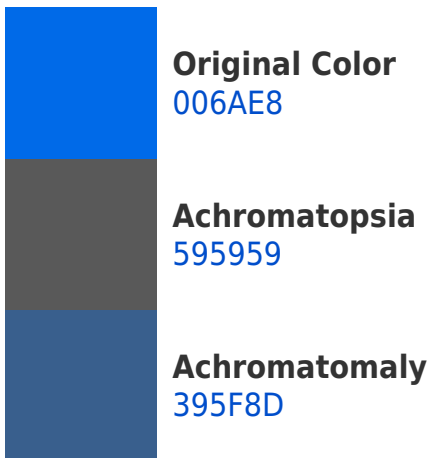


**Tritanopia**  
007C83

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006AE8 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 #006AE8 looks like.

```
.text, #text, p{  
    color:#006AE8  
}
```

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 #006AE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006AE8
}
```

## Border

The CSS property to change the border of an element to Hex 006AE8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

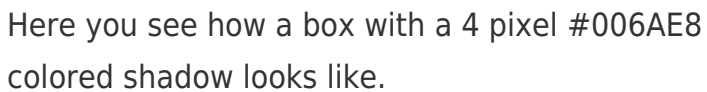
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#006AE8 }
```

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

```
.border{ border-color:#006AE8 }
```

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



Here you see how a box with a 4 pixel #006AE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006AE8; -webkit-box-shadow:4px 4px  
4px 4px #006AE8; box-shadow:4px 4px 4px  
4px #006AE8 }
```

# Background

The CSS property to change the background color of an element to Hex 006AE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006AE8 }
```

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

```
.background{ background-color:#006AE8 }
```

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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