

# Converting Colors

Hex(3066AE)

Have a look what the booklet for  
Hex(3066AE) contains.

<b>Hex(3066AE)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(3066AE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3066AE
RGB	48, 102, 174
RGB Percent	19%, 40%, 68%
CMY	0.8118, 0.6000, 0.3176
CMYK	0.72, 0.41, 0.00, 0.32
HSL	214°, 57%, 44%
HSV	214°, 72%, 68%
XYZ	13.6103, 13.1871, 41.8724
YIQ	94.0620, -55.2960, 10.9440

# Conversions

## Conversions Part 2

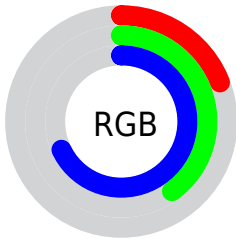
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 86, 174
Decimal	3172014
CIELab	43.04, 7.09, -43.64
CIELCh	43, 44.212, 279.222
Yxy	13.1871, 0.1982, 0.1920
Android (android.graphics.Color)	4281362094 (0xFF3066AE)
YUV	94.0620, 39.4094, -40.3964
Hunter-Lab	36.3141, 3.3510, -42.9453

# Details

The Hex color **3066AE** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AE7830**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **6E99E6**, and **003879** is the 20% darker color. If you saturate the color by 10%, you get **1F5CAE**, and if you desaturate by 10%, it is **4170AE**.

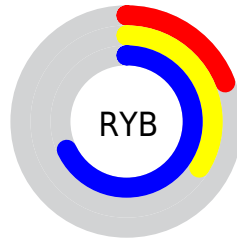
# Distribution



Red (19%)

Green (40%)

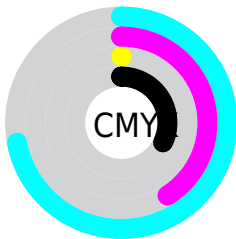
Blue (68%)



Red (19%)

Yellow (34%)

Blue (68%)

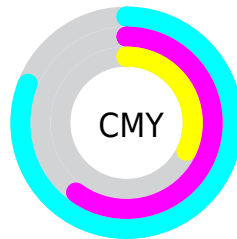


Cyan (72%)

Magenta (41%)

Yellow (0%)

Black (32%)



Cyan (81%)

Magenta (60%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3066AE 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 3066AE by changing the saturation by 10% instead.



■ 3066AE

■ 3066AE

FFFFFF

■ 004E93

■ 6E99E6

■ 003879

■ 8BB3FF

■ 002360

■ A7CFFF

■ 000D48

■ C5EBFF

■ 000430

■ E2FFFF

■ 00011B

■ 000000

■ 3066AE

■ 3066AE

■ 1F5CAE

■ 4170AE

0D52AE

537AAE

004BAE

6484AE

768EAE

8798AE

98A2AE

AAACAE

BBB6AE

CDBFAE

# Harmonies

## Analogous

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



0071AA



3066AE



76579F

# Triad

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



3066AE



A24C39



00764A

# Complementary

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



3066AE



AE7830

# 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.



477029



3066AE



8D5A1E

# Square

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



3066AE



A8435C



6E6716



007770

# Rectangle

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



3066AE



914D8C



6E6716



1F743E



# Sweetspot

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



3066AE



B1C6E3



30AE77



556273



F2F2F2



737373



# Same Dimension

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



3066AE



1E72E3



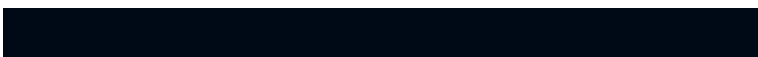
3830AE



4E5257



004096



000A17



# Inverse Universe

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



AE3066



E31E72



A6AE30



574E52



960040



17000A



# Previews

## White Background



This preview shows how the Hex color 3066AE looks on a white background.

## Color Contrast Check

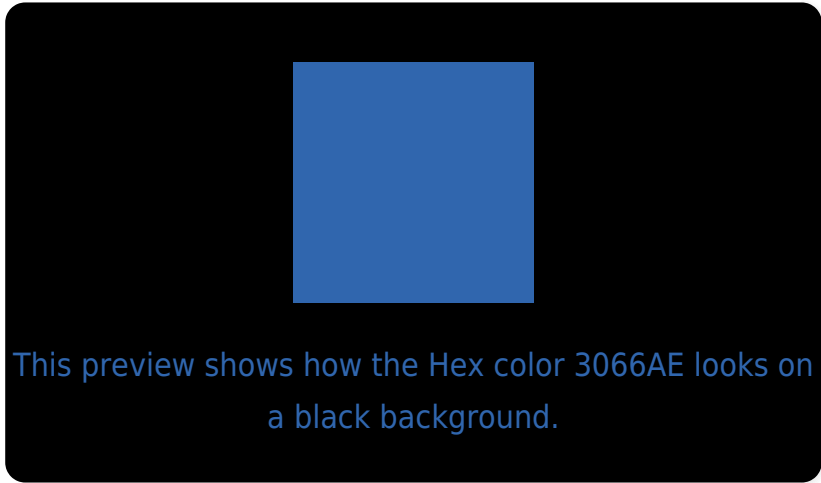
Large Text (above 18pt) WCAG AA ✓ Pass

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

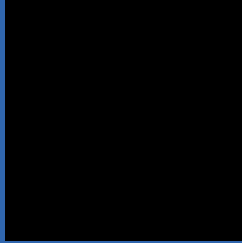
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3066AE Background



This preview shows how black text looks on a background with the Hex color 3066AE.

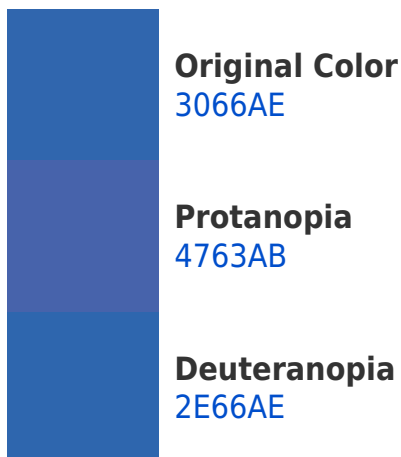


This preview shows how white text looks on a background with the Hex color 3066AE.

# Color Blindness Simulation

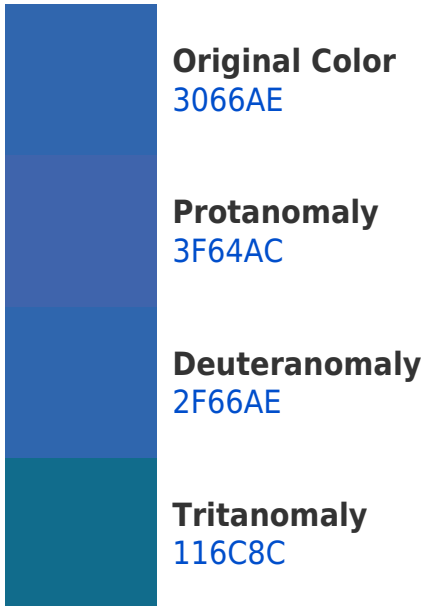
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

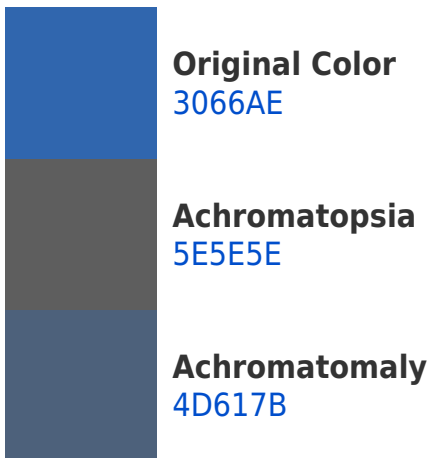




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3066AE 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 #3066AE looks like.

```
.text, #text, p{  
    color:#3066AE  
}
```

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 #3066AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3066AE
}
```

## Border

The CSS property to change the border of an element to Hex 3066AE 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
#3066AE }
```

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

```
.border{ border-color:#3066AE }
```

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

Here you see how a box with a 4 pixel #3066AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3066AE; -webkit-box-shadow:4px 4px  
4px 4px #3066AE; box-shadow:4px 4px 4px  
4px #3066AE }
```

# Background

The CSS property to change the background color of an element to Hex 3066AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3066AE }
```

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

```
.background{ background-color:#3066AE }
```

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