

# Converting Colors

Hex(316DB9)

Have a look what the booklet for  
Hex(316DB9) contains.

<b>Hex(316DB9)</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(316DB9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	316DB9
RGB	49, 109, 185
RGB Percent	19%, 43%, 73%
CMY	0.8078, 0.5725, 0.2745
CMYK	0.74, 0.41, 0.00, 0.27
HSL	214°, 58%, 46%
HSV	214°, 74%, 73%
XYZ	15.4922, 15.0930, 47.9957
YIQ	99.7240, -60.1560, 10.9160

# Conversions

## Conversions Part 2

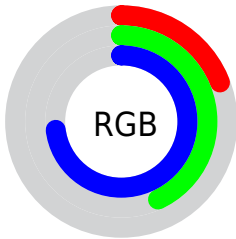
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	49, 91, 185
Decimal	3239353
CIE Lab	45.76, 6.91, -45.73
CIE LCh	46, 46.245, 278.597
Yxy	15.0930, 0.1971, 0.1921
Android (android.graphics.Color)	4281429433 (0xFF316DB9)
YUV	99.7240, 42.0411, -44.4849
Hunter-Lab	38.8497, 3.1939, -46.0531

# Details

The Hex color **316DB9** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B97D31**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **70A0F2**, and **003E83** is the 20% darker color. If you saturate the color by 10%, you get **1E63B9**, and if you desaturate by 10%, it is **4377B9**.

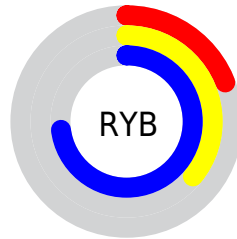
# Distribution



Red (19%)

Green (43%)

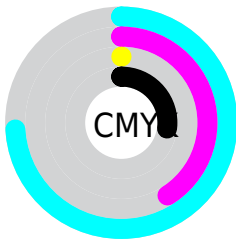
Blue (73%)



Red (19%)

Yellow (36%)

Blue (73%)

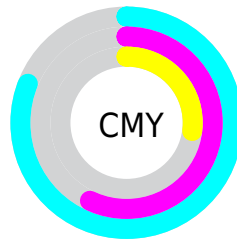


Cyan (74%)

Magenta (41%)

Yellow (0%)

Black (27%)



Cyan (81%)

Magenta (57%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 316DB9 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 316DB9 by changing the saturation by 10% instead.



■ 316DB9

■ 316DB9

FFFFFF

■ 00559E

■ 70A0F2

■ 003E83

■ 8EBBFF

■ 00296A

■ ABD6FF

■ 001551

■ C8F3FF

■ 000539

■ E6FFFF

■ 000223

■ 00000A

■ 000000

■ 316DB9

■ 316DB9

■ 1E63B9

■ 4377B9

■ 0C58B9

■ 5682B9

■ 0052B9

■ 698CB9

■ 7B96B9

■ 8DA1B9

■ A0ABB9

■ B3B5B9

■ C5C0B9

■ D7CAB9

# Harmonies

## Analogous

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



0078B4



316DB9



7D5DA9

# Triad

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



316DB9



AD513E



007D4F

# Complementary

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



316DB9



B97D31

# 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.



4D782C



316DB9



976021

# Square

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



316DB9



B34863



766E18



007F77

# Rectangle

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



316DB9



995295



766E18



247C42



# Sweetspot

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



316DB9



BBD2F0



31B97C



596678



F7F7F7



787878



# Same Dimension

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



316DB9



1D7AF0



3831B9



53575C



00459C



000C1C



# Inverse Universe

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



B9316D



F01D7A



B2B931



5C5357



9C0045

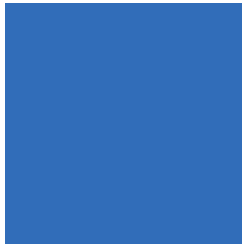


1C000C



# Previews

## White Background



This preview shows how the Hex color 316DB9 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 316DB9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

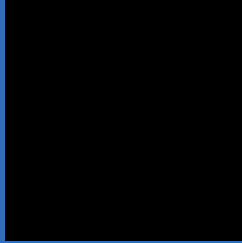
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 316DB9 Background



This preview shows how black text looks on a background with the Hex color 316DB9.

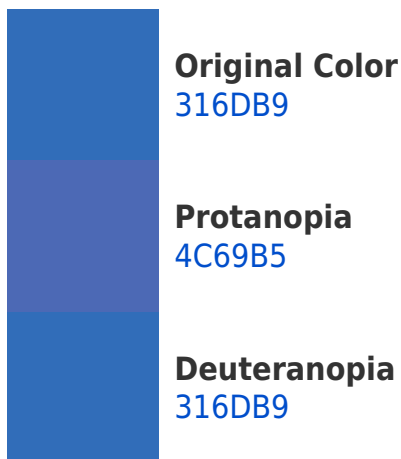


This preview shows how white text looks on a background with the Hex color 316DB9.

# 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](#).

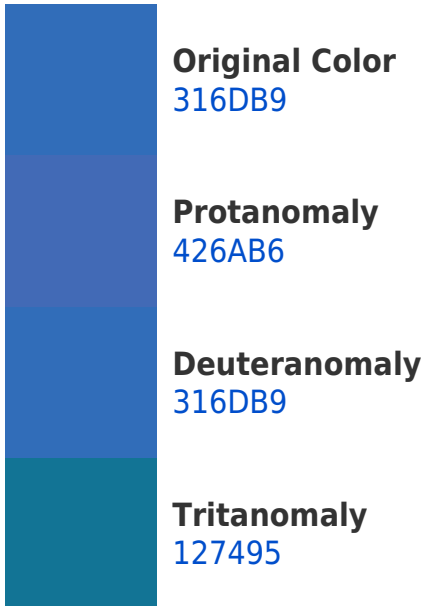
## Dichromacy



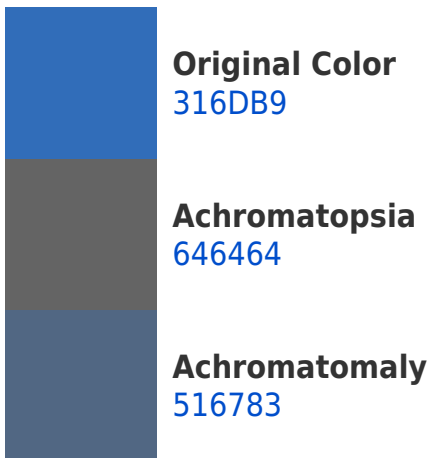


**Tritanopia**  
007881

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 316DB9 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 #316DB9 looks like.

```
.text, #text, p{  
    color:#316DB9  
}
```

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 #316DB9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #316DB9
}
```

## Border

The CSS property to change the border of an element to Hex 316DB9 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
#316DB9 }
```

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

```
.border{ border-color:#316DB9 }
```

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

Here you see how a box with a 4 pixel #316DB9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #316DB9; -webkit-box-shadow:4px 4px  
4px 4px #316DB9; box-shadow:4px 4px 4px  
4px #316DB9 }
```

# Background

The CSS property to change the background color of an element to Hex 316DB9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#316DB9 }
```

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

```
.background{ background-color:#316DB9 }
```

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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