

# Converting Colors

Hex(315BB0)

Have a look what the booklet for  
Hex(315BB0) contains.

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# Color

**Hex(315BB0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	315BB0
RGB	49, 91, 176
RGB Percent	19%, 36%, 69%
CMY	0.8078, 0.6431, 0.3098
CMYK	0.72, 0.48, 0.00, 0.31
HSL	220°, 56%, 44%
HSV	220°, 72%, 69%
XYZ	12.8442, 11.2697, 42.5726
YIQ	88.1320, -52.3170, 17.5310

# Conversions

## Conversions Part 2

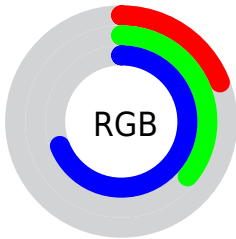
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 81, 176
Decimal	3234736
CIE <sub>Lab</sub>	40.03, 15.07, -49.64
CIE <sub>LCh</sub>	40, 51.878, 286.885
Yxy	11.2697, 0.1926, 0.1690
Android (android.graphics.Color)	4281424816 (0xFF315BB0)
YUV	88.1320, 43.3189, -34.3188
Hunter-Lab	33.5704, 9.5466, -51.6898




# Details

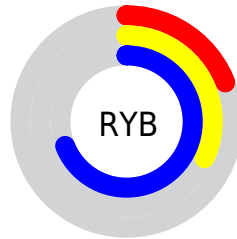
The Hex color **315BB0** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **B08631**, and the grayscale version is **585858**.




A 20% lighter version of the original color is **6F8DE8**, and **002E7B** is the 20% darker color. If you saturate the color by 10%, you get **1F4FB0**, and if you desaturate by 10%, it is **4367B0**.

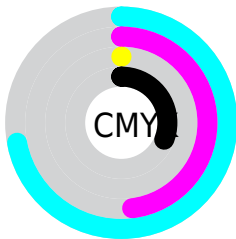
# Distribution







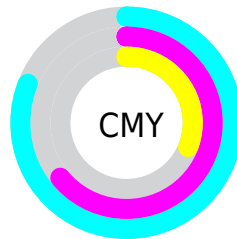
-  Red (19%)
-  Green (36%)
-  Blue (69%)






-  Red (19%)
-  Yellow (32%)
-  Blue (69%)



-  Cyan (72%)
-  Magenta (48%)
-  Yellow (0%)
-  Black (31%)



-  Cyan (81%)
-  Magenta (64%)
-  Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 315BB0 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 315BB0 by changing the saturation by 10% instead.



■ 315BB0

FFFFFF

■ 6F8DE8

■ 8CA7FF

■ A9C2FF

■ C6DEFF

■ E4FAFF

■ 315BB0

■ 1F4FB0

■ 315BB0

■ 004495

■ 002E7B

■ 001B61

■ 000049

■ 000431

■ 00011B

■ 000000

■ 315BB0

■ 4367B0

0E43B0

5473B0

003AB0

667EB0

778AB0

8996B0

9BA2B0

ACADB0

BEB9B0

CFC5B0

# Harmonies

## Analogous

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



0069B1



315BB0



7E4799

# Triad

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



315BB0



9D4321



00704A

# Complementary

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



315BB0



B08631

# 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.



266C1F



315BB0



815600

# Square

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



315BB0



A93348



5C6400



007276

# Rectangle

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



315BB0



983A80



5C6400



006F3B



# Sweetspot

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



315BB0



B3C4E6



31B086



555F73



F2F2F2



737373



# Same Dimension

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



315BB0



1E60E6



4631B0



505359



003399



00081A



# Inverse Universe

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



B0315B



E61E60



9BB031



595053



990033



1A0008



# Previews

## White Background



This preview shows how the Hex color 315BB0 looks on a white background.

## Color Contrast Check

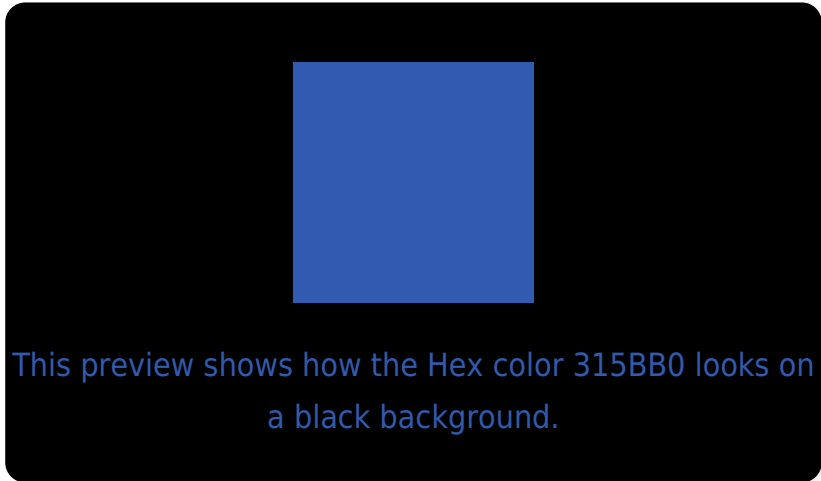
Large Text (above 18pt) WCAG AA ✓ Pass

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

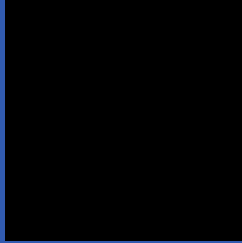
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 315BB0 Background



This preview shows how black text looks on a background with the Hex color 315BB0.



This preview shows how white text looks on a background with the Hex color 315BB0.

# 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](#).

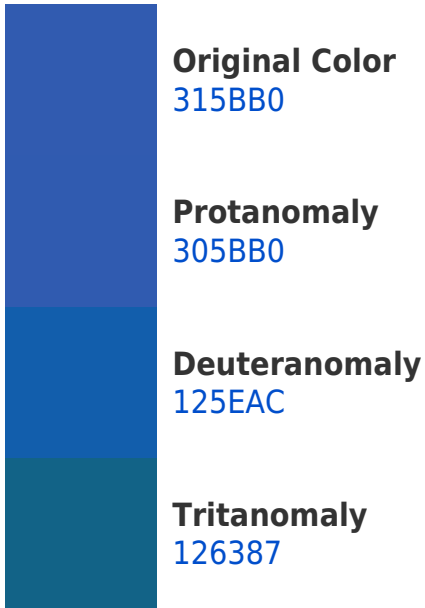
## Dichromacy



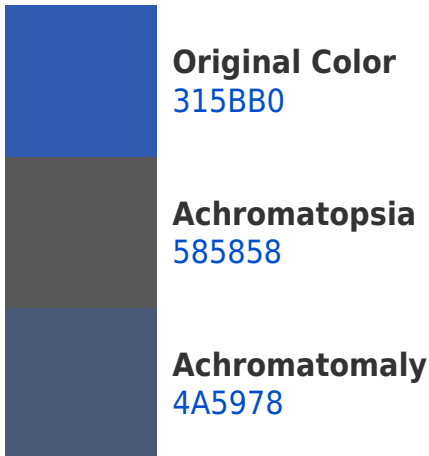


**Tritanopia**  
006870

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 315BB0 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 #315BB0 looks like.

```
.text, #text, p{  
    color:#315BB0  
}
```

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 #315BB0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #315BB0
}
```

## Border

The CSS property to change the border of an element to Hex 315BB0 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
#315BB0 }
```

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

```
.border{ border-color:#315BB0 }
```

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

Here you see how a box with a 4 pixel #315BB0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #315BB0; -webkit-box-shadow:4px 4px  
4px 4px #315BB0; box-shadow:4px 4px 4px  
4px #315BB0 }
```

# Background

The CSS property to change the background color of an element to Hex 315BB0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#315BB0 }
```

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

```
.background{ background-color:#315BB0 }
```

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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