

# Converting Colors

Hex(315C97)

Have a look what the booklet for  
Hex(315C97) contains.

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# Color

Hex(315C97)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	315C97
RGB	49, 92, 151
RGB Percent	19%, 36%, 59%
CMY	0.8078, 0.6392, 0.4078
CMYK	0.68, 0.39, 0.00, 0.41
HSL	215°, 51%, 39%
HSV	215°, 68%, 59%
XYZ	10.6797, 10.5416, 30.7500
YIQ	85.8690, -44.5670, 9.2330

# Conversions

## Conversions Part 2

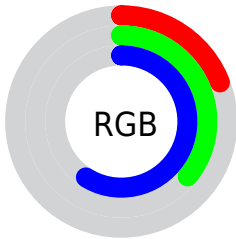
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 79, 151
Decimal	3234967
CIELab	38.80, 5.08, -36.74
CIElCh	39, 37.088, 277.869
Yxy	10.5416, 0.2055, 0.2028
Android (android.graphics.Color)	4281425047 (0xFF315C97)
YUV	85.8690, 32.1096, -32.3341
Hunter-Lab	32.4679, 1.8954, -33.4255

# Details

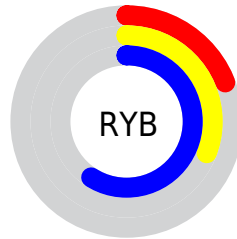
The Hex color **315C97** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **976C31**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **6A8ECE**, and **002F64** is the 20% darker color. If you saturate the color by 10%, you get **225397**, and if you desaturate by 10%, it is **406597**.

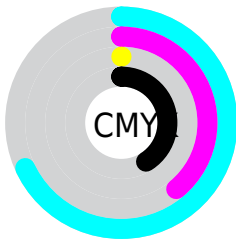
# Distribution



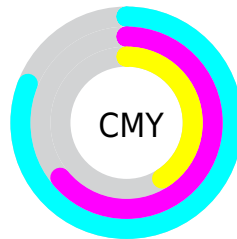
- Red (19%)
- Green (36%)
- Blue (59%)



- Red (19%)
- Yellow (31%)
- Blue (59%)



- Cyan (68%)
- Magenta (39%)
- Yellow (0%)
- Black (41%)



- Cyan (81%)
- Magenta (64%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 315C97 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 315C97 by changing the saturation by 10% instead.



■ 315C97

■ 315C97

FFFFFF

■ 09457D

■ 6A8ECE

■ 002F64

■ 86A8EA

■ 001B4B

■ A2C3FF

■ 000434

■ BEDFFF

■ 00021E

■ DBFCFF

■ 000000

■ F9FFFF

■ 315C97

■ 315C97

■ 225397

■ 406597

■ 134B97

■ 4F6D97

■ 044297

■ 5E7697

■ 004097

■ 6D7F97

■ 7D8897

■ 8C9097

■ 9B9997

■ AAA297

■ B9AB97

# Harmonies

## Analogous

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



006593



315C97



68508B

# Triad

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



315C97



8F4638



106944

# Complementary

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



315C97



976C31

# 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.



456429



315C97



7E5222

# Square

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



315C97



934055



655C1C



006A63

# Rectangle

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



315C97



7E487C



655C1C



28673A



# Sweetspot

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



315C97



9DAEC4



31976B



4C5663



E3E3E3



636363



# Same Dimension

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



315C97



2568C4



383197



45484D



003B8C



00050D



# Inverse Universe

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



97315C



C42568



909731



4D4548



8C003B



0D0005



# Previews

## White Background



This preview shows how the Hex color 315C97 looks on a white background.

## Color Contrast Check

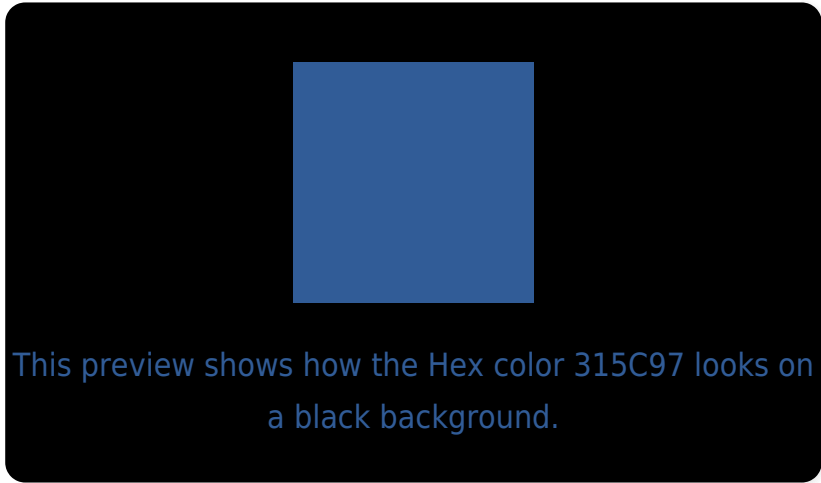
Large Text (above 18pt) WCAG AA ✓ Pass

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

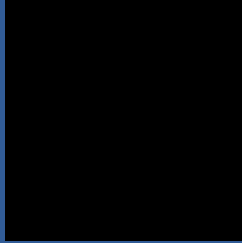
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 315C97 Background



This preview shows how black text looks on a background with the Hex color 315C97.



This preview shows how white text looks on a background with the Hex color 315C97.

# 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**  
315C97

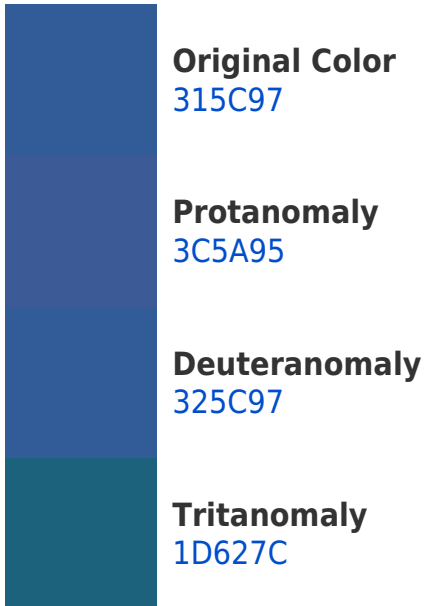
**Protanopia**  
435994

**Deuteranopia**  
335C97

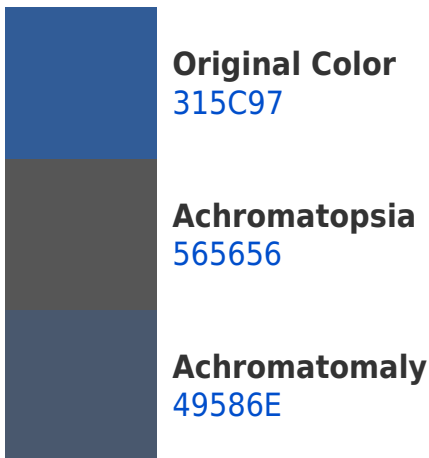


**Tritanopia**  
12656D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 315C97 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 #315C97 looks like.

```
.text, #text, p{  
    color:#315C97  
}
```

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 #315C97 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #315C97
}
```

## Border

The CSS property to change the border of an element to Hex 315C97 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
#315C97 }
```

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

```
.border{ border-color:#315C97 }
```

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

Here you see how a box with a 4 pixel #315C97 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #315C97; -webkit-box-shadow:4px 4px  
4px 4px #315C97; box-shadow:4px 4px 4px  
4px #315C97 }
```

# Background

The CSS property to change the background color of an element to Hex 315C97 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#315C97 }
```

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

```
.background{ background-color:#315C97 }
```

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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