

# Converting Colors

Hex(315796)

Have a look what the booklet for  
Hex(315796) contains.

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# Color

**Hex(315796)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	315796
RGB	49, 87, 150
RGB Percent	19%, 34%, 59%
CMY	0.8078, 0.6588, 0.4118
CMYK	0.67, 0.42, 0.00, 0.41
HSL	217°, 51%, 39%
HSV	217°, 67%, 59%
XYZ	10.1798, 9.6714, 30.1844
YIQ	82.8200, -42.8710, 11.5370

# Conversions

## Conversions Part 2

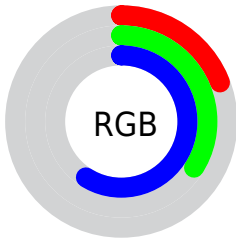
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 77, 150
Decimal	3233686
CIE Lab	37.25, 7.94, -38.60
CIE LCh	37, 39.413, 281.623
Yxy	9.6714, 0.2035, 0.1933
Android (android.graphics.Color)	4281423766 (0xFF315796)
YUV	82.8200, 33.1197, -29.6601
Hunter-Lab	31.0988, 4.0070, -35.7775

# Details

The Hex color **315796** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **967031**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **6A88CD**, and **002B63** is the 20% darker color. If you saturate the color by 10%, you get **224E96**, and if you desaturate by 10%, it is **406096**.

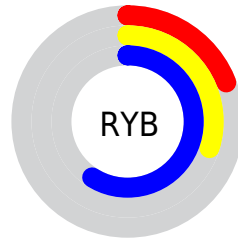
# Distribution



Red (19%)

Green (34%)

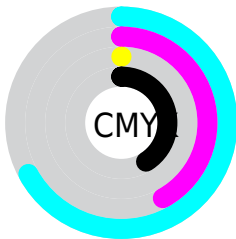
Blue (59%)



Red (19%)

Yellow (30%)

Blue (59%)

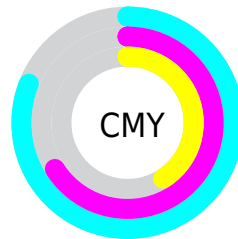


Cyan (67%)

Magenta (42%)

Yellow (0%)

Black (41%)



Cyan (81%)

Magenta (66%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 315796 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 315796 by changing the saturation by 10% instead.



■ 315796

■ 315796

FFFFFF

■ 09407C

■ 6A88CD

■ 002B63

■ 86A3E9

■ 00174A

■ A2BDFF

■ 000433

■ BED9FF

■ 00021D

■ DBF6FF

■ 000000

■ F9FFFF

■ 315796

■ 315796

■ 224E96

■ 406096

■ 134496

■ 4F6A96

■ 043B96

■ 5E7396

■ 003896

■ 6D7C96

■ 7C8696

■ 8B8F96

■ 9A9896

■ A9A296

■ B8AB96

# Harmonies

## Analogous

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



006094



315796



694A87

# Triad

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



315796



8B422F



006642

# Complementary

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



315796



967031

# 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.



3A6225



315796



784F19

# Square

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



315796



923A4D



5D5A13



006763

# Rectangle

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



315796



7F4176



5D5A13



146538



# Sweetspot

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



315796



9BAAC2



31966F



4A5261



E0E0E0



616161



# Same Dimension

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



315796



2560C2



3D3196



43454A



00348A



00040A



# Inverse Universe

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



963157



C22560



8A9631



4A4345



8A0034



0A0004



# Previews

## White Background



This preview shows how the Hex color 315796 looks on a white background.

## Color Contrast Check

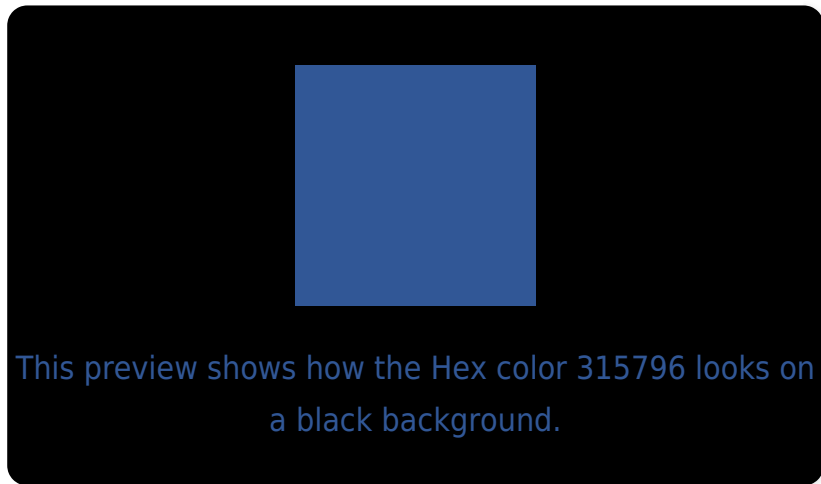
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

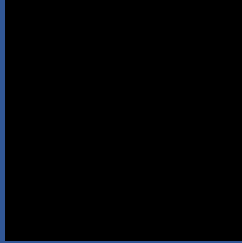
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 315796 Background



This preview shows how black text looks on a background with the Hex color 315796.



This preview shows how white text looks on a background with the Hex color 315796.

# 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**  
315796

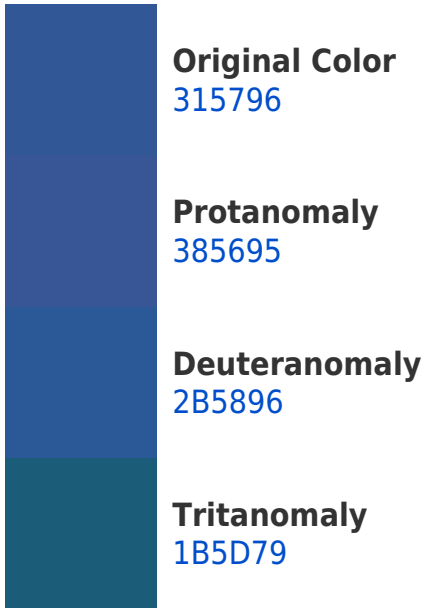
**Protanopia**  
3C5594

**Deuteranopia**  
285896

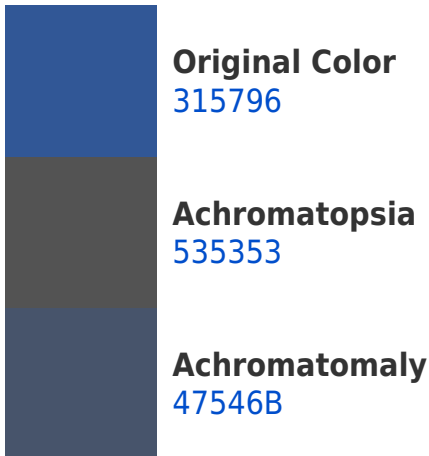


**Tritanopia**  
0E6169

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 315796 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 #315796 looks like.

```
.text, #text, p{  
    color:#315796  
}
```

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 #315796 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #315796
}
```

## Border

The CSS property to change the border of an element to Hex 315796 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".

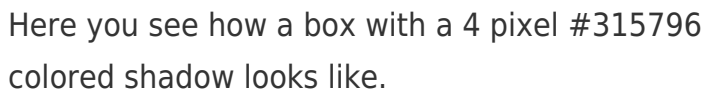
```
.border, #border, table{ border:4px solid
#315796 }
```

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

```
.border{ border-color:#315796 }
```

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

Here you see how a box with a 4 pixel #315796 colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #315796; -webkit-box-shadow:4px 4px  
4px 4px #315796; box-shadow:4px 4px 4px  
4px #315796 }
```

# Background

The CSS property to change the background color of an element to Hex 315796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#315796 }
```

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

```
.background{ background-color:#315796 }
```

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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