

# Converting Colors

Hex(311491)

Have a look what the booklet for  
Hex(311491) contains.

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# Color

**Hex(311491)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	311491
RGB	49, 20, 145
RGB Percent	19%, 8%, 57%
CMY	0.8078, 0.9216, 0.4314
CMYK	0.66, 0.86, 0.00, 0.43
HSL	254°, 76%, 32%
HSV	254°, 86%, 57%
XYZ	6.6276, 3.1976, 27.0560
YIQ	42.9210, -22.8410, 45.0230

# Conversions

## Conversions Part 2

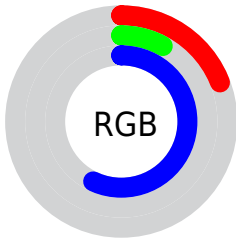
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 20, 145
Decimal	3216529
CIE <sub>Lab</sub>	20.82, 47.10, -62.26
CIE <sub>LCh</sub>	21, 78.065, 307.108
Yxy	3.1976, 0.1797, 0.0867
Android (android.graphics.Color)	4281406609 (0xFF311491)
YUV	42.9210, 50.3249, 5.3313
Hunter-Lab	17.8819, 34.8647, -77.1907

# Details

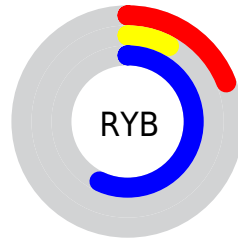
The Hex color **311491** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **749114**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **6D45C8**, and **00005D** is the 20% darker color. If you saturate the color by 10%, you get **260691**, and if you desaturate by 10%, it is **3C2391**.

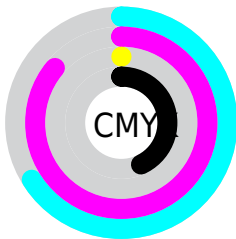
# Distribution



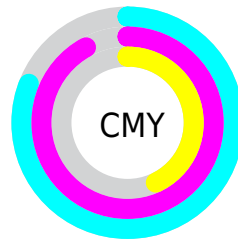
- Red (19%)
- Green (8%)
- Blue (57%)



- Red (19%)
- Yellow (8%)
- Blue (57%)



- Cyan (66%)
- Magenta (86%)
- Yellow (0%)
- Black (43%)



- Cyan (81%)
- Magenta (92%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 311491 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 311491 by changing the saturation by 10% instead.



■ 311491

■ 311491

FFFFFF

■ 010077

■ 6D45C8

■ 00005D

■ 8A5EE5

■ 000244

■ A778FF

■ 00032D

■ C492FF

■ 000117

■ E2AEFF

■ 000000

■ FFC9FF

■ FFE6FF

■ 311491

■ 311491

■ 260691

■ 3C2391

■ 220091

■ 473191

■ 524091

■ 5E4E91

■ 695D91

■ 746B91

■ 7F7A91

■ 8A8891

■ 959791

# Harmonies

## Analogous

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



0039A9



311491



7B0060

# Triad

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



311491



601A00



00453F

# Complementary

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



311491



749114

# 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.



004300



311491



323500

# Square

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



311491



800000



003F00



004678

# Rectangle

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



311491



8B003B



003F00



00442B



# Sweetspot

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



311491



978CBD



147691



48415E



DEDEDE



5E5E5E



# Same Dimension

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



311491



2C00BD



6E1491



424047



1F0087



020008



# Inverse Universe

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



911474



BD0091



379114



474046



870068

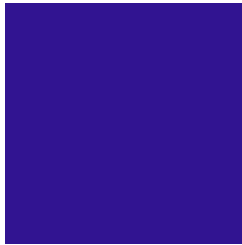


080006



# Previews

## White Background



This preview shows how the Hex color 311491 looks on a white background.

## Color Contrast Check

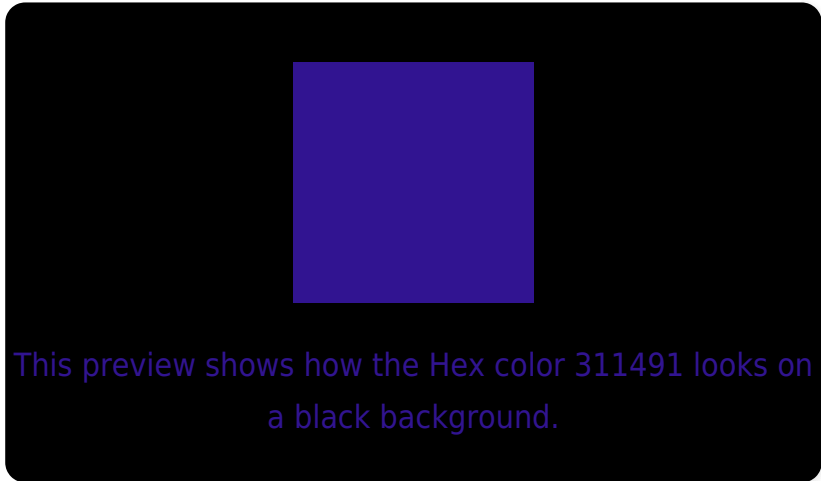
Large Text (above 18pt) WCAG AA ✓ Pass

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

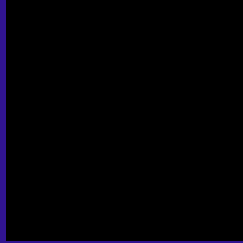
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 311491 Background



This preview shows how black text looks on a background with the Hex color 311491.



This preview shows how white text looks on a background with the Hex color 311491.

# 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**  
311491

**Protanopia**  
003268

**Deuteranopia**  
003558



# Trichromacy



**Original Color**  
311491

**Protanomaly**  
122777

**Deuteranomaly**  
12296D

**Tritanomaly**  
122C5C

# Monochromacy



**Original Color**  
311491

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
2D2350

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 311491 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 #311491 looks like.

```
.text, #text, p{  
    color:#311491  
}
```

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 #311491 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #311491
}
```

## Border

The CSS property to change the border of an element to Hex 311491 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
#311491 }
```

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

```
.border{ border-color:#311491 }
```

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

Here you see how a box with a 4 pixel #311491 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #311491; -webkit-box-shadow:4px 4px  
4px 4px #311491; box-shadow:4px 4px 4px  
4px #311491 }
```

# Background

The CSS property to change the background color of an element to Hex 311491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#311491 }
```

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

```
.background{ background-color:#311491 }
```

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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