

# Converting Colors

Hex(311B47)

Have a look what the booklet for  
Hex(311B47) contains.

<b>Hex(311B47)</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(311B47)**

# Conversions

## Conversions Part 1

Format	Color
Hex	311B47
RGB	49, 27, 71
RGB Percent	19%, 11%, 28%
CMY	0.8078, 0.8941, 0.7216
CMYK	0.31, 0.62, 0.00, 0.72
HSL	270°, 45%, 19%
HSV	270°, 62%, 28%
XYZ	2.7959, 1.8918, 6.1790
YIQ	38.5940, -1.0120, 18.3480

# Conversions

## Conversions Part 2

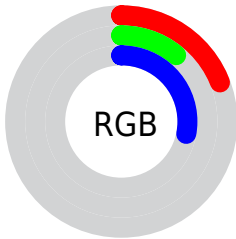
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 27, 71
Decimal	3218247
CIE Lab	14.91, 21.12, -23.57
CIE LCh	15, 31.645, 311.866
Yxy	1.8918, 0.2573, 0.1741
Android (android.graphics.Color)	4281408327 (0xFF311B47)
YUV	38.5940, 15.9762, 9.1261
Hunter-Lab	13.7541, 12.2150, -17.0080

# Details

The Hex color **311B47** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31471B**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **614778**, and **00011B** is the 20% darker color. If you saturate the color by 10%, you get **2D1447**, and if you desaturate by 10%, it is **352247**.

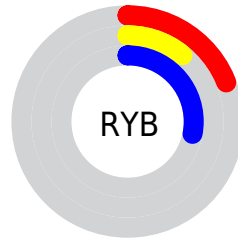
# Distribution



Red (19%)

Green (11%)

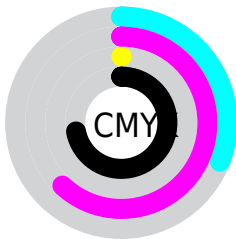
Blue (28%)



Red (19%)

Yellow (11%)

Blue (28%)

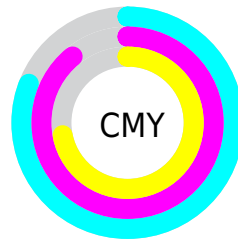


Cyan (31%)

Magenta (62%)

Yellow (0%)

Black (72%)



Cyan (81%)

Magenta (89%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 311B47 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 311B47 by changing the saturation by 10% instead.





311B47



311B47

FFFFFF



1B0430



614778



00011B



7A5F92



000000



9478AC



AF92C8



CBADE4



E7C8FF



FFE4FF



311B47



311B47

■ 2D1447

■ 352247

■ 2A0D47

■ 382947

■ 260647

■ 3C3047

■ 240047

■ 3F3747

■ 433F47

■ 464647

■ 4A4D47

■ 4D5447

■ 515B47

# Harmonies

## Analogous

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



002552



311B47



460F34

# Triad

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



311B47



3B1F00



002F2E

# Complementary

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



311B47



31471B

# 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.



002E17



311B47



282700

# Square

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



311B47



481404



0F2C00



002F43

# Rectangle

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



311B47



4C0B25



0F2C00



002F26



# Sweetspot

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



311B47



534A5C



1B3147



29232E



ADADAD



2E2E2E



# Same Dimension

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



311B47



3A185C



471B47



222024



320063



7100E3



# Inverse Universe

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



471B31



5C183A



1B471B



242022



630032



E30071



# Previews

## White Background



This preview shows how the Hex color 311B47 looks on a white background.

## Color Contrast Check

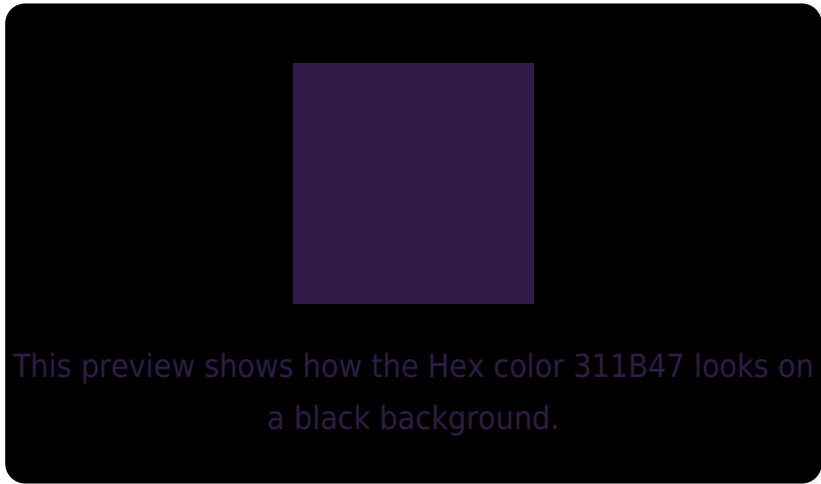
Large Text (above 18pt) WCAG AA ✓ Pass

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

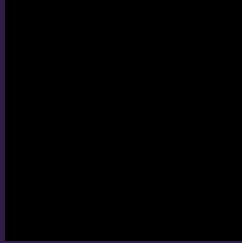
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 311B47 Background



This preview shows how black text looks on a background with the Hex color 311B47.



This preview shows how white text looks on a background with the Hex color 311B47.

# 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**  
311B47

**Protanopia**  
00254E

**Deuteranopia**  
062745



**Tritanopia**  
2B2427

# Trichromacy



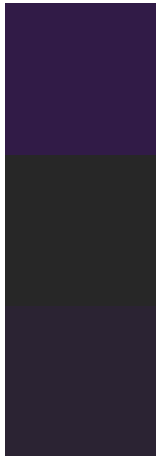
**Original Color**  
311B47

**Protanomaly**  
12214B

**Deuteranomaly**  
162346

**Tritanomaly**  
2D2133

# Monochromacy



**Original Color**  
311B47

**Achromatopsia**  
272727

**Achromatomaly**  
2B2333

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 311B47 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 #311B47 looks like.

```
.text, #text, p{  
    color:#311B47  
}
```

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 #311B47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #311B47
}
```

## Border

The CSS property to change the border of an element to Hex 311B47 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
#311B47 }
```

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

```
.border{ border-color:#311B47 }
```

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

Here you see how a box with a 4 pixel #311B47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #311B47; -webkit-box-shadow:4px 4px  
4px 4px #311B47; box-shadow:4px 4px 4px  
4px #311B47 }
```

# Background

The CSS property to change the background color of an element to Hex 311B47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#311B47 }
```

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

```
.background{ background-color:#311B47 }
```

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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