

# Converting Colors

Hex(310732)

Have a look what the booklet for  
Hex(310732) contains.

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**Color**

**Hex(310732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	310732
RGB	49, 7, 50
RGB Percent	19%, 3%, 20%
CMY	0.8078, 0.9725, 0.8039
CMYK	0.02, 0.86, 0.00, 0.80
HSL	299°, 75%, 11%
HSV	299°, 86%, 20%
XYZ	1.9183, 1.0352, 3.1163
YIQ	24.4600, 11.2290, 22.2770

# Conversions

## Conversions Part 2

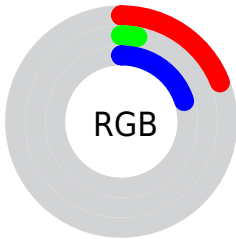
Format	Color
<a href="#">RYB</a>	<a href="#">49, 7, 50</a>
Decimal	<a href="#">3213106</a>
CIELab	<a href="#">9.28, 27.16, -17.59</a>
CIELCh	<a href="#">9, 32.359, 327.075</a>
Yxy	<a href="#">1.0352, 0.3160, 0.1706</a>
Android (android.graphics.Color)	<a href="#">4281403186 (0xFF310732)</a>
YUV	<a href="#">24.4600, 12.5912, 21.5216</a>
Hunter-Lab	<a href="#">10.1746, 15.8492, -11.0375</a>

# Details

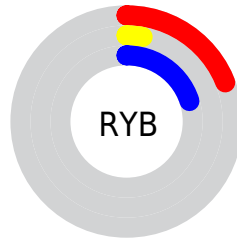
The Hex color **310732** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **083207**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **613561**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **310232**, and if you desaturate by 10%, it is **310C32**.

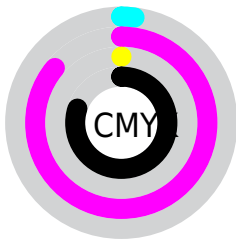
# Distribution



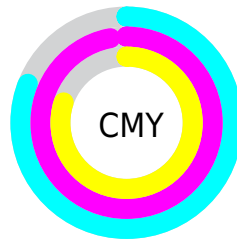
- Red (19%)
- Green (3%)
- Blue (20%)



- Red (19%)
- Yellow (3%)
- Blue (20%)



- Cyan (2%)
- Magenta (86%)
- Yellow (0%)
- Black (80%)



- Cyan (81%)
- Magenta (97%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 310732 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 310732 by changing the saturation by 10% instead.



 310732

 310732

 FFECFF

 1E001D

 613561

 000000

 7B4D79


 956593

 B07FAE

 CC99C9

 E8B4E6

 FFCFFF

 310732

 310732

■ 310232

■ 310C32

■ 310032

■ 311132

■ 311632

■ 311B32

■ 322032

■ 322532

■ 322A32

■ 322F32

■ 323432

# Harmonies

## Analogous

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



0F1541



310732



3D001D

# Triad

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



310732



241900



00242D

# Complementary

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



310732



083207

# 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.



002417



310732



0D1F00

# Square

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



310732



340E00



002200



00223F

# Rectangle

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



310732



3F000D



002200



002526



# Sweetspot

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



310732



3F2F40



070832



211721



A1A1A1



212121



# Same Dimension

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



310732



3E0040



32071E



19171A



570059



D400D9



# Inverse Universe

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



320708



400001



07321B



1A1717



590002

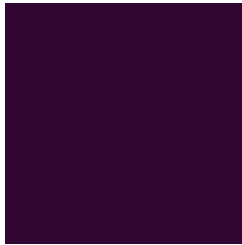


D90005



# Previews

## White Background



This preview shows how the Hex color 310732 looks on a white background.

## Color Contrast Check

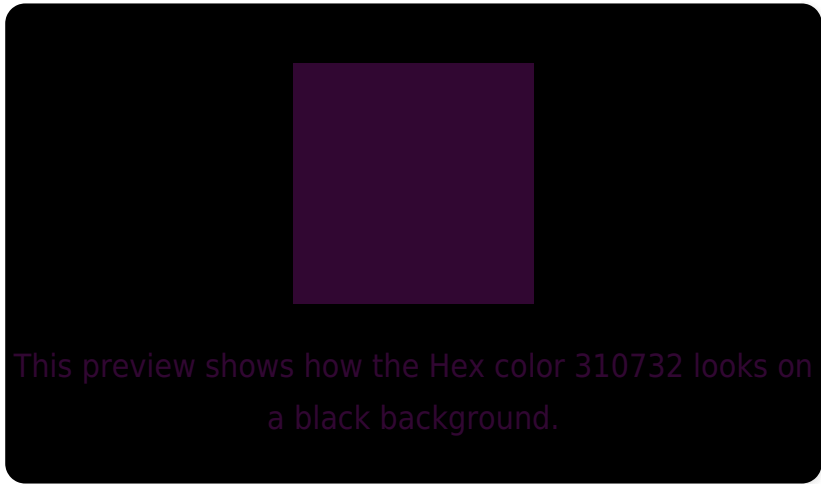
Large Text (above 18pt) WCAG AA ✓ Pass

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

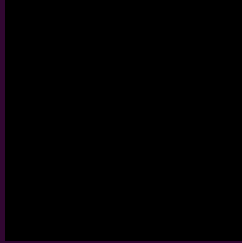
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 310732 Background



This preview shows how black text looks on a background with the Hex color 310732.



This preview shows how white text looks on a background with the Hex color 310732.

# 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](#).

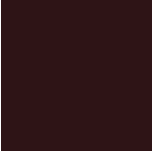
## Dichromacy



**Original Color**  
310732

**Protanopia**  
001C3B

**Deuteranopia**  
111D2F



**Tritanopia**  
2E1416

# Trichromacy



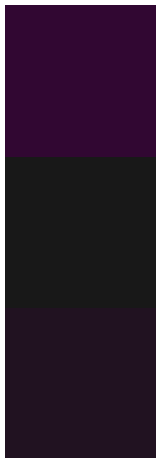
**Original Color**  
310732

**Protanomaly**  
121438

**Deuteranomaly**  
1D1530

**Tritanomaly**  
2F0F20

# Monochromacy



**Original Color**  
310732

**Achromatopsia**  
181818

**Achromatomaly**  
211221

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 310732 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 #310732 looks like.

```
.text, #text, p{  
    color:#310732  
}
```

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 #310732 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #310732
}
```

## Border

The CSS property to change the border of an element to Hex 310732 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".

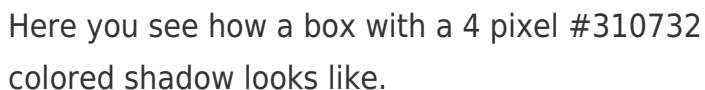
```
.border, #border, table{ border:4px solid
#310732 }
```

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

```
.border{ border-color:#310732 }
```

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

Here you see how a box with a 4 pixel #310732 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #310732; -webkit-box-shadow:4px 4px  
4px 4px #310732; box-shadow:4px 4px 4px  
4px #310732 }
```

# Background

The CSS property to change the background color of an element to Hex 310732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#310732 }
```

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

```
.background{ background-color:#310732 }
```

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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