

# Converting Colors

Hex(312910)

Have a look what the booklet for  
Hex(312910) contains.

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**Color**

**Hex(312910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	312910
RGB	49, 41, 16
RGB Percent	19%, 16%, 6%
CMY	0.8078, 0.8392, 0.9373
CMYK	0.00, 0.16, 0.67, 0.81
HSL	45°, 51%, 13%
HSV	45°, 67%, 19%
XYZ	2.1531, 2.2763, 0.8161
YIQ	40.5420, 12.7930, -6.0790

# Conversions

## Conversions Part 2

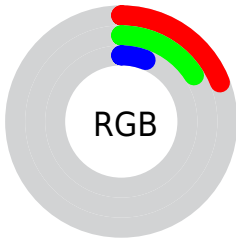
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	27, 49, 16
Decimal	3221776
CIE Lab	16.87, -0.23, 17.42
CIE LCh	17, 17.423, 90.750
Yxy	2.2763, 0.4105, 0.4339
Android (android.graphics.Color)	4281411856 (0xFF312910)
YUV	40.5420, -12.0992, 7.4177
Hunter-Lab	15.0873, -0.9292, 7.3540

# Details

The Hex color **312910** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **101831**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **60563B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31280B**, and if you desaturate by 10%, it is **312A15**.

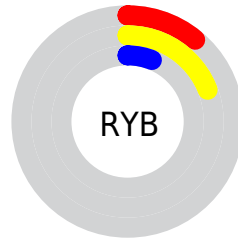
# Distribution



Red (19%)

Green (16%)

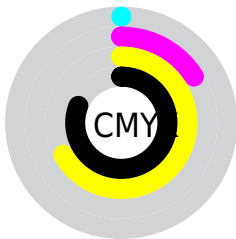
Blue (6%)



Red (11%)

Yellow (19%)

Blue (6%)

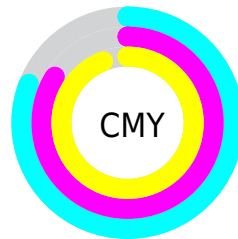


Cyan (0%)

Magenta (16%)

Yellow (67%)

Black (81%)



Cyan (81%)

Magenta (84%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 312910 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 312910 by changing the saturation by 10% instead.



■ 312910

■ 312910

■ FFFFF1

■ 1C1500

■ 60563B

■ 000000

■ 7A6E52

■ 94886A

■ AFA284

■ CABD9E

■ E6D8B9

■ FFF5D4

■ 312910

■ 312910

■ 31280B

■ 312A15

■ 312706

■ 312B1A

■ 312501

■ 312D1F

■ 312500

■ 312E24

■ 312F29

■ 31302D

■ 313132

■ 313337

■ 31343C

# Harmonies

## Analogous

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



3B2514



312910



242D14

# Triad

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



312910



003036



392236

# Complementary

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



312910



101831

# 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.



2B263F



312910



002E3F

# Square

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



312910



00302A



162B42



411F2A

# Rectangle

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



312910



1A2E19



162B42



352339



# Sweetspot

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



312910



403D33



311018



211F19



A1A1A1



212121



# Same Dimension

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



312910



40330C



293110



1A1917



594400



D9A400



# Inverse Universe

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



101831



0C1940



181031



17181A



001659



0035D9



# Previews

## White Background



This preview shows how the Hex color 312910 looks on a white background.

## Color Contrast Check

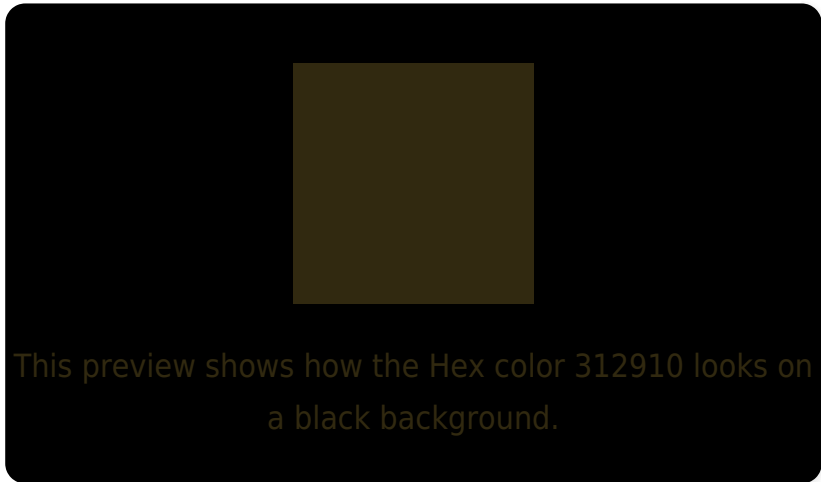
Large Text (above 18pt) WCAG AA ✓ Pass

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

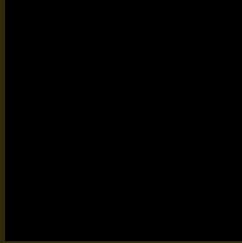
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 312910 Background



This preview shows how black text looks on a background with the Hex color 312910.

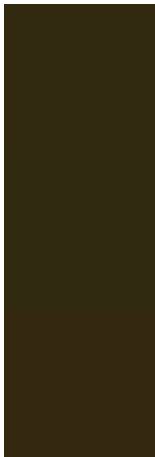


This preview shows how white text looks on a background with the Hex color 312910.

# 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**  
312910

**Protanopia**  
2F2A10

**Deuteranopia**  
342810



**Tritanopia**  
332629

# Trichromacy



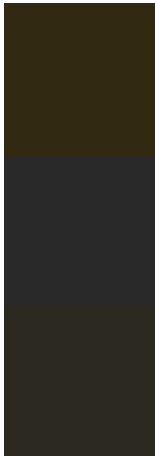
**Original Color**  
312910

**Protanomaly**  
302A10

**Deuteranomaly**  
332810

**Tritanomaly**  
322720

# Monochromacy



**Original Color**  
312910

**Achromatopsia**  
292929

**Achromatomaly**  
2C2920

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 312910 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 #312910 looks like.

```
.text, #text, p{  
    color:#312910  
}
```

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 #312910 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312910
}
```

## Border

The CSS property to change the border of an element to Hex 312910 is called "border". The border property can be set on classes, ids or directly on the HTML element.

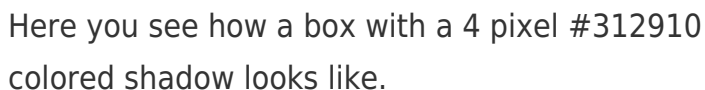
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312910 }
```

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

```
.border{ border-color:#312910 }
```

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



Here you see how a box with a 4 pixel #312910 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312910; -webkit-box-shadow:4px 4px  
4px 4px #312910; box-shadow:4px 4px 4px  
4px #312910 }
```

# Background

The CSS property to change the background color of an element to Hex 312910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312910 }
```

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

```
.background{ background-color:#312910 }
```

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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