

# Converting Colors

Hex(28310D)

Have a look what the booklet for  
Hex(28310D) contains.

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# Color

**Hex(28310D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28310D
RGB	40, 49, 13
RGB Percent	16%, 19%, 5%
CMY	0.8431, 0.8078, 0.9490
CMYK	0.18, 0.00, 0.73, 0.81
HSL	75°, 58%, 12%
HSV	75°, 73%, 19%
XYZ	2.0460, 2.6768, 0.7896
YIQ	42.2050, 6.1920, -13.1040

# Conversions

## Conversions Part 2

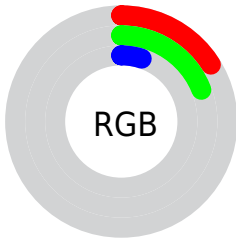
Format	Color
<a href="#">RYB</a>	<a href="#">13, 49, 22</a>
Decimal	<a href="#">2633997</a>
CIELab	<a href="#">18.70, -10.48, 20.95</a>
CIElCh	<a href="#">19, 23.422, 116.578</a>
Yxy	<a href="#">2.6768, 0.3712, 0.4856</a>
Android (android.graphics.Color)	<a href="#">4280824077</a> (0xFF28310D)
YUV	<a href="#">42.2050, -14.3981, -1.9338</a>
Hunter-Lab	<a href="#">16.3609, -6.3091, 8.5912</a>

# Details

The Hex color **28310D** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **160D31**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **565F39**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **273108**, and if you desaturate by 10%, it is **293112**.

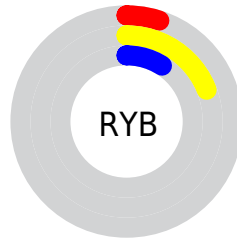
# Distribution



Red (16%)

Green (19%)

Blue (5%)



Red (5%)

Yellow (19%)

Blue (9%)

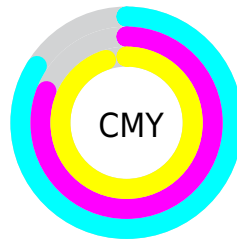


Cyan (18%)

Magenta (0%)

Yellow (73%)

Black (81%)



Cyan (84%)

Magenta (81%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28310D 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 28310D by changing the saturation by 10% instead.



 28310D

 28310D

 FFFFEF

 131C00

 565F39

 000000

 6F7850

 899268

 A3AC81

 BFC79C

 DAE3B7

 F7FFD2

 28310D

 28310D

■ 273108

■ 293112

■ 263103

■ 2A3117

■ 253100

■ 2C311C

■ 2D3121

■ 2E3126

■ 2F312A

■ 31312F

■ 323134

■ 333139

# Harmonies

## Analogous

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



392C08



28310D



12341A

# Triad

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



28310D



00344A



4B1F30

# Complementary

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



28310D



160D31

# 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.



402340



28310D



00304F

# Square

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



28310D



00363C



2B2A4C



4C201F

# Rectangle

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



28310D



003525



2B2A4C



491F36



# Sweetspot

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



28310D



3C4032



31160D



1F2119



A1A1A1



212121



# Same Dimension

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



28310D



324008



16310D



191A17



435900



A3D900



# Inverse Universe

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



160D31



160840



280D31



18171A



160059

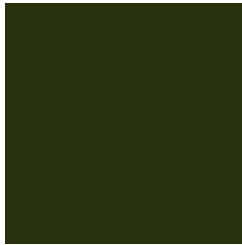


3600D9



# Previews

## White Background



This preview shows how the Hex color 28310D looks on a white background.

## Color Contrast Check

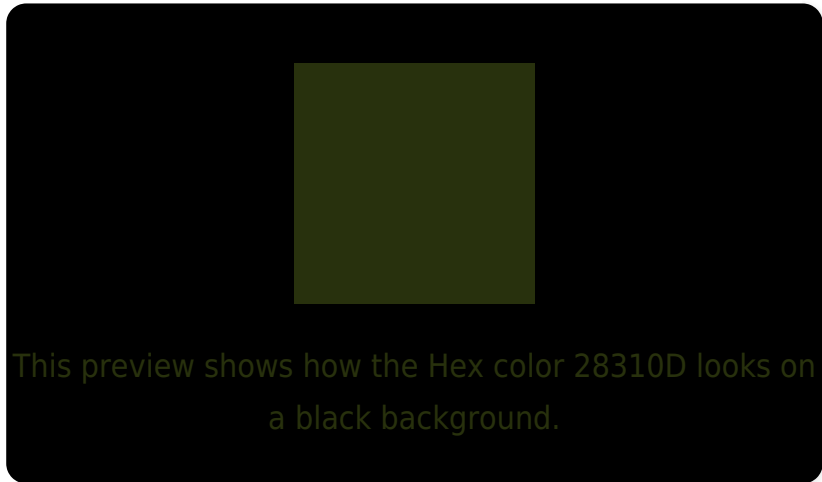
Large Text (above 18pt) WCAG AA ✓ Pass

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

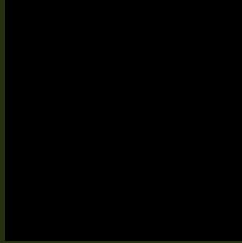
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

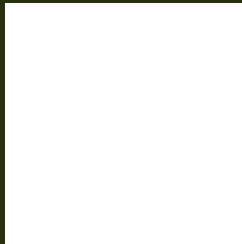
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 28310D Background



This preview shows how black text looks on a background with the Hex color 28310D.



This preview shows how white text looks on a background with the Hex color 28310D.

# 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



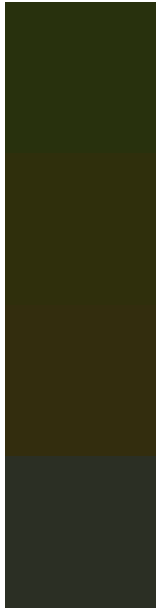
**Original Color**  
28310D

**Protanopia**  
332E0C

**Deuteranopia**  
392B0F



# Trichromacy



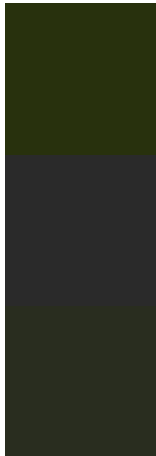
**Original Color**  
28310D

**Protanomaly**  
2F2F0C

**Deuteranomaly**  
332D0E

**Tritanomaly**  
2B2F24

# Monochromacy



**Original Color**  
28310D

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
292D1F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28310D 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 #28310D looks like.

```
.text, #text, p{  
    color:#28310D  
}
```

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 #28310D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28310D
}
```

## Border

The CSS property to change the border of an element to Hex 28310D is called "border". The border property can be set on classes, ids or directly on the HTML element.

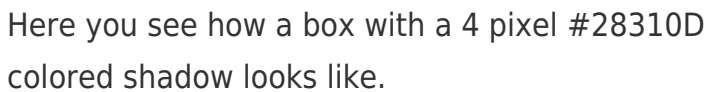
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#28310D }
```

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

```
.border{ border-color:#28310D }
```

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



Here you see how a box with a 4 pixel #28310D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28310D; -webkit-box-shadow:4px 4px  
4px 4px #28310D; box-shadow:4px 4px 4px  
4px #28310D }
```

# Background

The CSS property to change the background color of an element to Hex 28310D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28310D }
```

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

```
.background{ background-color:#28310D }
```

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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