

# Converting Colors

Hex(312F2F)

Have a look what the booklet for  
Hex(312F2F) contains.

<b>Hex(312F2F)</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> .....	22
<i><b>Color Blindness Simulation</b></i> .....	25
<i><b>CSS Examples</b></i> .....	28

# Color

Hex(312F2F)

# Conversions

## Conversions Part 1

Format	Color
Hex	312F2F
RGB	49, 47, 47
RGB Percent	19%, 18%, 18%
CMY	0.8078, 0.8157, 0.8157
CMYK	0.00, 0.04, 0.04, 0.81
HSL	0°, 2%, 19%
HSV	0°, 4%, 19%
XYZ	2.7962, 2.8912, 3.1000
YIQ	47.5980, 1.1920, 0.4240

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	49, 47, 47
Decimal	3223343
CIE Lab	19.60, 0.89, 0.31
CIE LCh	20, 0.946, 19.390
Yxy	2.8912, 0.3182, 0.3290
Android (android.graphics.Color)	4281413423 (0xFF312F2F)
YUV	47.5980, -0.2948, 1.2296
Hunter-Lab	17.0036, -0.4022, 1.0931

# Details

The Hex color **312F2F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2F3131**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **5F5D5D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **312A2A**, and if you desaturate by 10%, it is **313434**.

# Distribution



Red (19%)

Green (18%)

Blue (18%)



Red (19%)

Yellow (18%)

Blue (18%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (81%)



Cyan (81%)

Magenta (82%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 312F2F 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 312F2F by changing the saturation by 10% instead.



■ 312F2F

■ 312F2F

FFFFFF

■ 1C1A1A

■ 5F5D5D

■ 000000

■ 787575

■ 918F8F

■ ACA9A9

■ C7C5C5

■ E3E1E1

■ FFFDFD

■ 312F2F

■ 312F2F

■ 312A2A

■ 313434

■ 312525

■ 313939

■ 312020

■ 313E3E

■ 311B1B

■ 314343

■ 311717

■ 314848

■ 311212

■ 314C4C

■ 310D0D

■ 315151

■ 310808

■ 315656

■ 310303

■ 315B5B

# Harmonies

## Analogous

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



312F30



312F2F



312F2E

# Triad

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



312F2F



2F302F



2F3031

# Complementary

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



312F2F



2F3131

# 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.



2E3030



312F2F



2E302F

# Square

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



312F2F



30302E



2E3030



2F2F31

# Rectangle

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



312F2F



312F2E



2E3030



2E3031



# Sweetspot

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



312F2F



403F3F



312F31



212121



A1A1A1

# Same Dimension

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



312F2F



403D3D



31302F



1A1818



590000



D90000



# Inverse Universe

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



2F3131



3D4040



2F3031



181A1A



005959

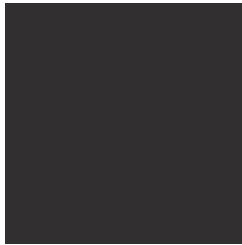


00D9D9



# Previews

## White Background



This preview shows how the Hex color 312F2F looks on a white background.

## Color Contrast Check

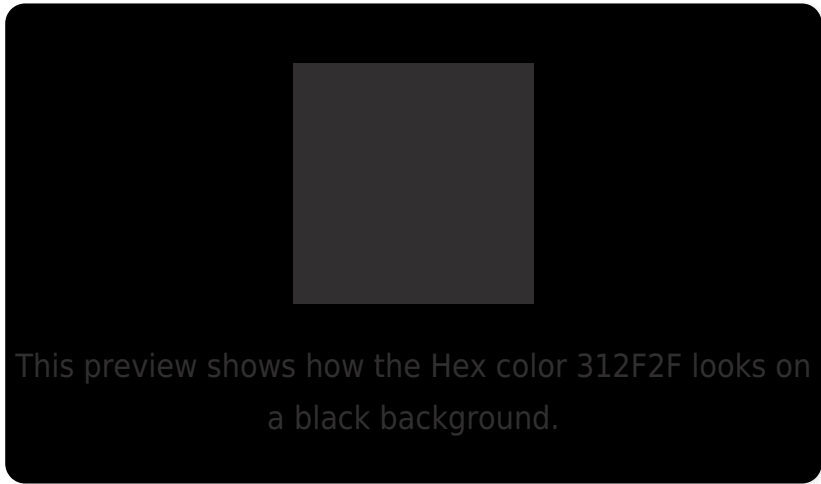
Large Text (above 18pt) WCAG AA ✓ Pass

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

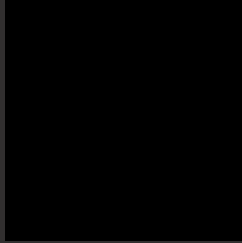
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

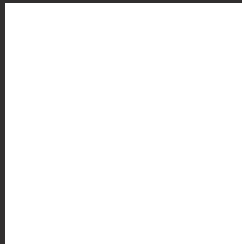
Any Text WCAG AAA × Fail

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

## Hex 312F2F Background



This preview shows how black text looks on a background with the Hex color 312F2F.



This preview shows how white text looks on a background with the Hex color 312F2F.



# 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**  
312F2F

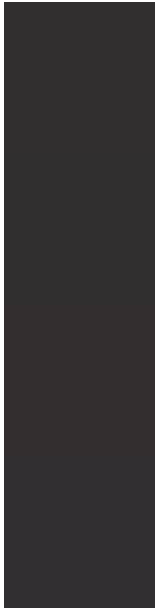
**Protanopia**  
302F2F

**Deuteranopia**  
342E2F



**Tritanopia**  
312F32

# Trichromacy



**Original Color**

312F2F

**Protanomaly**

302F2F

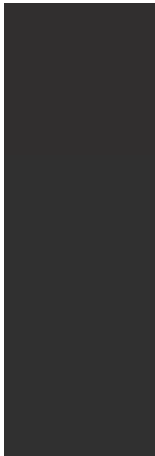
**Deuteranomaly**

332E2F

**Tritanomaly**

312F31

# Monochromacy



**Original Color**

312F2F

**Achromatopsia**

303030

**Achromatomaly**

303030

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 312F2F 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 #312F2F looks like.

```
.text, #text, p{  
    color:#312F2F  
}
```

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 #312F2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312F2F
}
```

## Border

The CSS property to change the border of an element to Hex 312F2F is called "border". The border property can be set on classes, ids or directly on the HTML element.

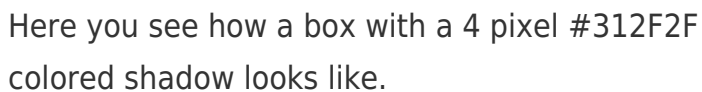
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312F2F }
```

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

```
.border{ border-color:#312F2F }
```

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



Here you see how a box with a 4 pixel #312F2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312F2F; -webkit-box-shadow:4px 4px  
4px 4px #312F2F; box-shadow:4px 4px 4px  
4px #312F2F }
```

# Background

The CSS property to change the background color of an element to Hex 312F2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312F2F }
```

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

```
.background{ background-color:#312F2F }
```

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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