

Converting Colors

Hex(312D31)

Have a look what the booklet for
Hex(312D31) contains.

| | |
|--|----|
| Hex(312D31) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

Hex(312D31)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------|
| Hex | 312D31 |
| RGB | 49, 45, 49 |
| RGB Percent | 19%, 18%, 19% |
| CMY | 0.8078, 0.8235, 0.8078 |
| CMYK | 0.00, 0.08, 0.00, 0.81 |
| HSL | 300°, 4%, 18% |
| HSV | 300°, 8%, 19% |
| XYZ | 2.7594, 2.7515, 3.2914 |
| YIQ | 46.6520, 1.1000, 2.0920 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 49, 45, 49 |
| Decimal | 3222833 |
| CIE Lab | 19.02, 2.72, -1.92 |
| CIE LCh | 19, 3.335, 324.783 |
| Yxy | 2.7515, 0.3135, 0.3126 |
| Android (android.graphics.Color) | 4281412913 (0xFF312D31) |
| YUV | 46.6520, 1.1576, 2.0592 |
| Hunter-Lab | 16.5876, 0.6655, -0.1532 |

Details

The Hex color **312D31** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2D312D**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **5F5B5F**, and **000001** is the 20% darker color. If you saturate the color by 10%, you get **312831**, and if you desaturate by 10%, it is **313231**.

Distribution



Red (19%)

Green (18%)

Blue (19%)



Red (19%)

Yellow (18%)

Blue (19%)



Cyan (0%)

Magenta (8%)

Yellow (0%)

Black (81%)



Cyan (81%)

Magenta (82%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312D31 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 312D31 by changing the saturation by 10% instead.



312D31



312D31

FFFFFF



1C181C



5F5B5F



000001



787378



000000



918D91



ACA7AC



C7C2C7



E3DEE3



FFFBFF



312D31



312D31

■ 312831

■ 313231

■ 312331

■ 313731

■ 311E31

■ 313C31

■ 311931

■ 314131

■ 311531

■ 314631

■ 311031

■ 314A31

■ 310B31

■ 314F31

■ 310631

■ 315431

■ 310131

■ 315931

Harmonies

Analogous

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



2E2E33



312D31



332D2F

Triad

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



312D31



312E29



283030

Complementary

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



312D31



2D312D

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.



29302E



312D31



2E2F2A

Square

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



312D31



332D2A



2B2F2B



292F32

Rectangle

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



312D31



332D2D



2B2F2B



28302F

Sweetspot

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



312D31



403E40



2D2D31



212021



A1A1A1



212121

Same Dimension

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



312D31



403940



312D2F



1A171A



590059



D900D9

Inverse Universe

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



312D31



403940



2D312F



1A171A



590059



D900D9

Previews

White Background



This preview shows how the Hex color 312D31 looks on a white background.

Color Contrast Check

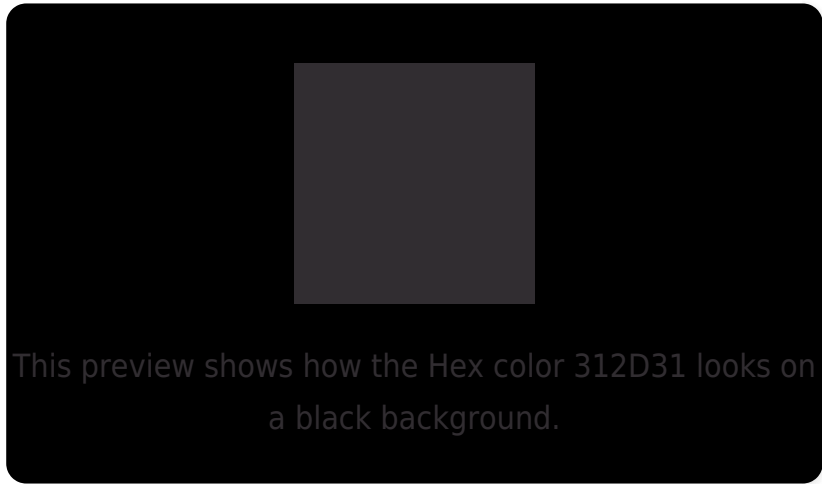
Large Text (above 18pt) WCAG AA ✓ Pass

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

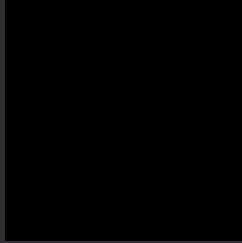
Any Text WCAG AA × Fail

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 312D31 Background



This preview shows how black text looks on a background with the Hex color 312D31.

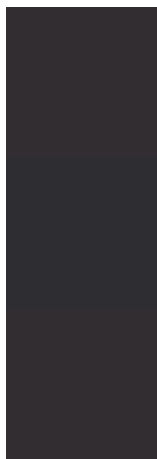


This preview shows how white text looks on a background with the Hex color 312D31.

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
312D31

Protanopia
2E2E32

Deuteranopia
312D31



Tritanopia
312D31

Trichromacy



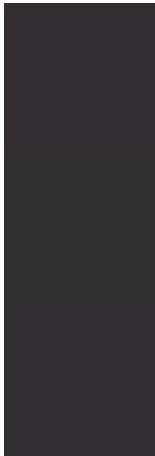
Original Color
312D31

Protanomaly
2F2E32

Deuteranomaly
312D31

Tritanomaly
312D31

Monochromacy



Original Color
312D31

Achromatopsia
2F2F2F

Achromatomaly
302E30

CSS Examples

Text

The CSS property to change the color of the text to Hex 312D31 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 #312D31 looks like.

```
.text, #text, p{  
    color:#312D31  
}
```

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 #312D31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312D31
}
```

Border

The CSS property to change the border of an element to Hex 312D31 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
#312D31 }
```

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

```
.border{ border-color:#312D31 }
```

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

Here you see how a box with a 4 pixel #312D31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312D31; -webkit-box-shadow:4px 4px  
4px 4px #312D31; box-shadow:4px 4px 4px  
4px #312D31 }
```

Background

The CSS property to change the background color of an element to Hex 312D31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312D31 }
```

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

```
.background{ background-color:#312D31 }
```

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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