

Converting Colors

Hex(312D02)

Have a look what the booklet for
Hex(312D02) contains.

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Color

Hex(312D02)

Conversions

Conversions Part 1

Format	Color
Hex	312D02
RGB	49, 45, 2
RGB Percent	19%, 18%, 1%
CMY	0.8078, 0.8235, 0.9922
CMYK	0.00, 0.08, 0.96, 0.81
HSL	55°, 92%, 10%
HSV	55°, 96%, 19%
XYZ	2.2160, 2.5341, 0.4298
YIQ	41.2940, 16.1870, -12.5250

Conversions

Conversions Part 2

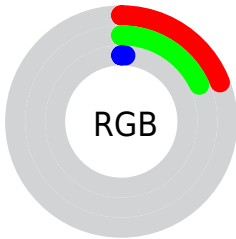
Format	Color
RYB	6, 49, 2
Decimal	3222786
CIELab	18.07, -4.02, 25.01
CIELCh	18, 25.334, 99.141
Yxy	2.5341, 0.4278, 0.4892
Android (android.graphics.Color)	4281412866 (0xFF312D02)
YUV	41.2940, -19.3719, 6.7582
Hunter-Lab	15.9189, -3.0104, 9.5426

Details

The Hex color **312D02** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **020631**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **615A30**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **312D00**, and if you desaturate by 10%, it is **312D07**.

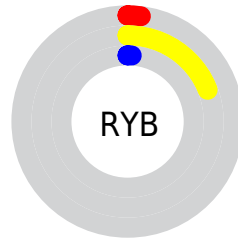
Distribution



Red (19%)

Green (18%)

Blue (1%)



Red (2%)

Yellow (19%)

Blue (1%)

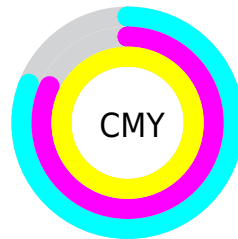


Cyan (0%)

Magenta (8%)

Yellow (96%)

Black (81%)



Cyan (81%)


Magenta (82%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312D02 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 312D02 by changing the saturation by 10% instead.

 312D02

 312D02

 FFFFE5

 1A1900

 615A30

 000000

 7A7348


 948C60


 B0A779

 CBC293

 E8DEAD

 FFFAC9

 312D02

 312D02

■ 312D00

■ 312D07

■ 312E0C

■ 312E11

■ 312F16

■ 312F1B

■ 31301F

■ 313024

■ 313029

■ 31312E

Harmonies

Analogous

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



402706



312D02



1D320E

Triad

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



312D02



003443



471E3A

Complementary

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



312D02



020631

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.



342549



312D02



00324E

Square

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



312D02



003531



112C50



4D1B27

Rectangle

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



312D02



093319



112C50



42203F

Sweetspot

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



312D02



403E2D



310207



212016



A1A1A1



212121

Same Dimension

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



312D02



403A00



1E3102



1A1917



595200



D9C600

Inverse Universe

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



020631



000540



150231



17171A



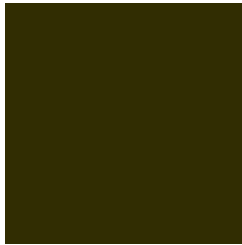
000859



0012D9

Previews

White Background



This preview shows how the Hex color 312D02 looks on a white background.

Color Contrast Check

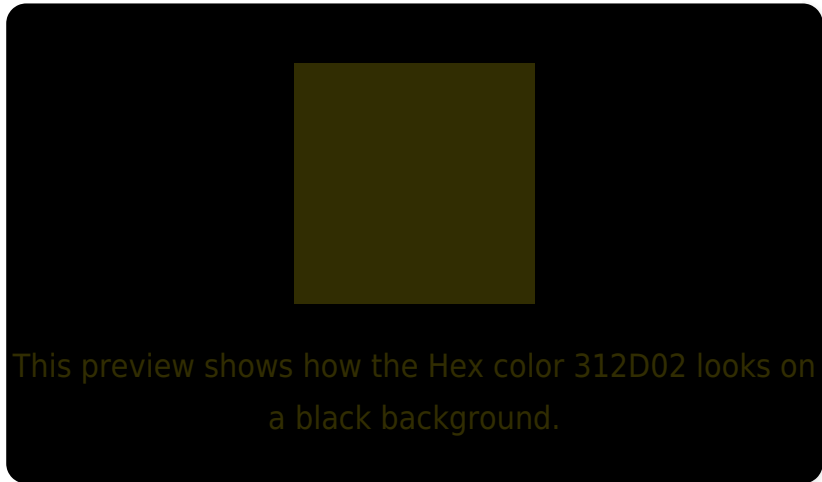
Large Text (above 18pt) WCAG AA ✓ Pass

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

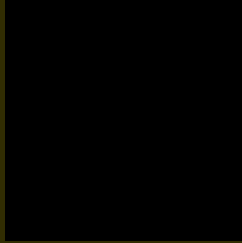
Any Text WCAG AA × Fail

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 312D02 Background



This preview shows how black text looks on a background with the Hex color 312D02.



This preview shows how white text looks on a background with the Hex color 312D02.

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
312D02

Protanopia
322D02

Deuteranopia
382A06



Tritanopia
342A2D

Trichromacy



Original Color

312D02

Protanomaly

322D02

Deuteranomaly

352B05

Tritanomaly

332B1D

Monochromacy



Original Color

312D02

Achromatopsia

292929

Achromatomaly

2C2A1B

CSS Examples

Text

The CSS property to change the color of the text to Hex 312D02 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 #312D02 looks like.

```
.text, #text, p{  
    color:#312D02  
}
```

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 #312D02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312D02
}
```

Border

The CSS property to change the border of an element to Hex 312D02 is called "border". The border property can be set on classes, ids or directly on the HTML element.

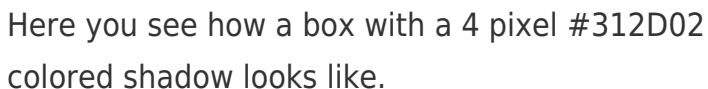
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312D02 }
```

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

```
.border{ border-color:#312D02 }
```

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



Here you see how a box with a 4 pixel #312D02 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312D02; -webkit-box-shadow:4px 4px  
4px 4px #312D02; box-shadow:4px 4px 4px  
4px #312D02 }
```

Background

The CSS property to change the background color of an element to Hex 312D02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312D02 }
```

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

```
.background{ background-color:#312D02 }
```

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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