

Converting Colors

Hex(312211)

Have a look what the booklet for
Hex(312211) contains.

Hex(312211)	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(312211)

Conversions

Conversions Part 1

Format	Color
Hex	312211
RGB	49, 34, 17
RGB Percent	19%, 13%, 7%
CMY	0.8078, 0.8667, 0.9333
CMYK	0.00, 0.31, 0.65, 0.81
HSL	32°, 48%, 13%
HSV	32°, 65%, 19%
XYZ	1.9398, 1.8375, 0.7827
YIQ	36.5470, 14.3970, -2.1070

Conversions

Conversions Part 2

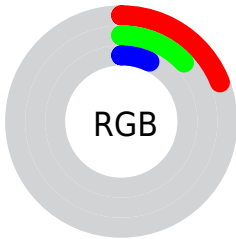
Format	Color
RYB	45, 49, 17
Decimal	3219985
CIELab	14.61, 4.70, 13.99
CIElCh	15, 14.762, 71.437
Yxy	1.8375, 0.4254, 0.4030
Android (android.graphics.Color)	4281410065 (0xFF312211)
YUV	36.5470, -9.6367, 10.9213
Hunter-Lab	13.5554, 1.8220, 6.0651

Details

The Hex color **312211** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **112031**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **614E3B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31200C**, and if you desaturate by 10%, it is **312416**.

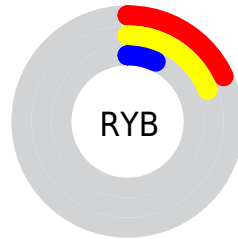
Distribution



Red (19%)

Green (13%)

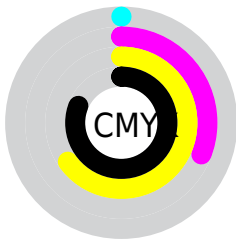
Blue (7%)



Red (18%)

Yellow (19%)

Blue (7%)

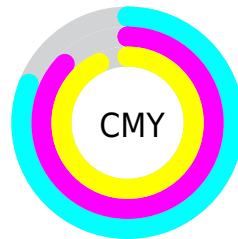


Cyan (0%)

Magenta (31%)

Yellow (65%)

Black (81%)



Cyan (81%)


Magenta (87%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312211 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 312211 by changing the saturation by 10% instead.

 312211

 312211

 FFFFFF1

 1C0C00

 614E3B

 000000

 7A6653

 947F6B

 AF9984

 CAB49E

 E7CFB9

 FFECD5

 312211

 312211

■ 31200C

■ 312416

■ 311D07

■ 31271B

■ 311B02

■ 312920

■ 311A00

■ 312B25

■ 312D2A

■ 31302E

■ 313233

■ 313438

■ 31373D

Harmonies

Analogous

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



371F18



312211



282610

Triad

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



312211



002A29



2B2134

Complementary

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



312211



112031

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.



1C2539



312211



002A32

Square

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



312211



0F2A1E



082838



351E2C

Rectangle

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



312211



202713



082838



272237

Sweetspot

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



312211



403A33



311120



211D19



A1A1A1



212121

Same Dimension

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



312211



40280E



303111



1A1817



592F00



D97300

Inverse Universe

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



112031



0E2540



121131



17181A



002A59



0066D9

Previews

White Background



This preview shows how the Hex color 312211 looks on a white background.

Color Contrast Check

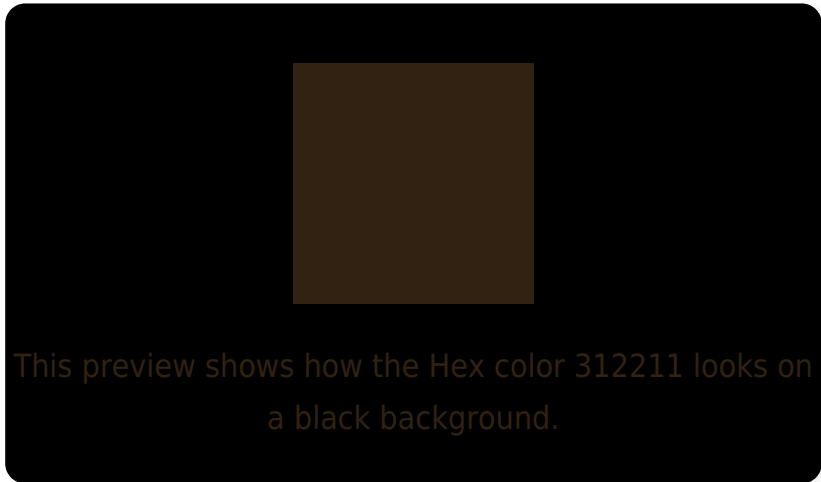
Large Text (above 18pt) WCAG AA ✓ Pass

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

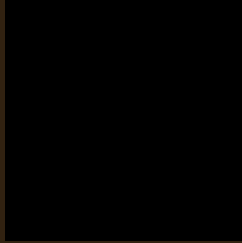
Any Text WCAG AA × Fail

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 312211 Background



This preview shows how black text looks on a background with the Hex color 312211.

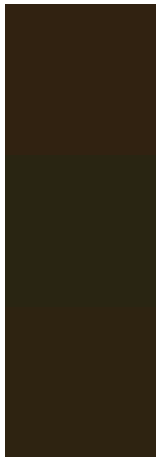


This preview shows how white text looks on a background with the Hex color 312211.

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

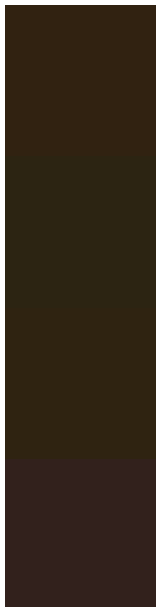


Original Color
312211

Protanopia
292512

Deuteranopia
2E2311

Trichromacy



Original Color

312211

Protanomaly

2C2412

Deuteranomaly

2F2311

Tritanomaly

32211C

Monochromacy



Original Color

312211

Achromatopsia

252525

Achromatomaly

29241E

CSS Examples

Text

The CSS property to change the color of the text to Hex 312211 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 #312211 looks like.

```
.text, #text, p{  
    color:#312211  
}
```

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 #312211 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312211
}
```

Border

The CSS property to change the border of an element to Hex 312211 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
#312211 }
```

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

```
.border{ border-color:#312211 }
```

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

Here you see how a box with a 4 pixel #312211 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312211; -webkit-box-shadow:4px 4px  
4px 4px #312211; box-shadow:4px 4px 4px  
4px #312211 }
```

Background

The CSS property to change the background color of an element to Hex 312211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312211 }
```

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

```
.background{ background-color:#312211 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor