

Converting Colors

Hex(312B23)

Have a look what the booklet for
Hex(312B23) contains.

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Color

Hex(312B23)

Conversions

Conversions Part 1

Format	Color
Hex	312B23
RGB	49, 43, 35
RGB Percent	19%, 17%, 14%
CMY	0.8078, 0.8314, 0.8627
CMYK	0.00, 0.12, 0.29, 0.81
HSL	34°, 17%, 16%
HSV	34°, 29%, 19%
XYZ	2.4339, 2.5021, 1.9448
YIQ	43.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

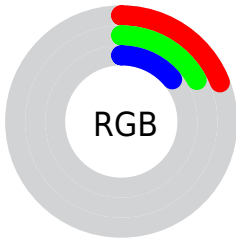
Format	Color
RYB	46, 49, 35
Decimal	3222307
CIELab	17.93, 1.13, 6.22
CIELCh	18, 6.319, 79.667
Yxy	2.5021, 0.3537, 0.3636
Android (android.graphics.Color)	4281412387 (0xFF312B23)
YUV	43.8820, -4.3788, 4.4885
Hunter-Lab	15.8179, -0.2160, 3.7830

Details

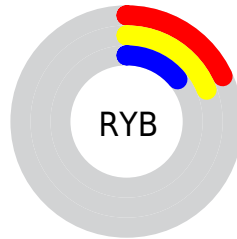
The Hex color **312B23** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **232931**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **5F584F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31291E**, and if you desaturate by 10%, it is **312D28**.

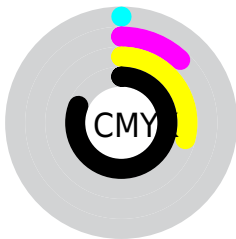
Distribution



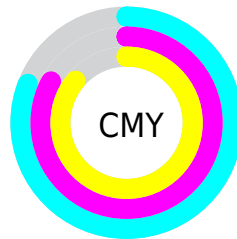
- Red (19%)
- Green (17%)
- Blue (14%)



- Red (18%)
- Yellow (19%)
- Blue (14%)



- Cyan (0%)
- Magenta (12%)
- Yellow (29%)
- Black (81%)



- Cyan (81%)
- Magenta (83%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312B23 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 312B23 by changing the saturation by 10% instead.

■ 312B23

■ 312B23

FFFFFF

■ 1C170D

■ 5F584F

■ 000000

■ 787167

■ 928A80

■ ACA49A

■ C8C0B5

■ E4DBD1

■ FFF8ED

■ 312B23

■ 312B23

■ 31291E

■ 312D28

■ 312719

■ 312F2D

■ 312514

■ 313132

■ 31230F

■ 313337

■ 31210B

■ 31363C

■ 311E06

■ 313840

■ 311C01

■ 313A45

■ 311C00

■ 313C4A

■ 313E4F

Harmonies

Analogous

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



342A25



312B23



2C2C23

Triad

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



312B23



202E2F



302A32

Complementary

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



312B23



232931

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.



2B2B34



312B23



212E33

Square

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



312B23



222E2A



252D35



34292E

Rectangle

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



312B23



292D25



252D35



2F2A33

Sweetspot

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



312B23



403D3A



312329



21201E



A1A1A1



212121

Same Dimension

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



312B23



40362A



303123



1A1817



593300



D97C00

Inverse Universe

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



232931



2A3340



242331



17181A



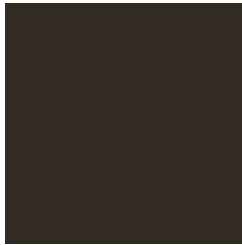
002659



005DD9

Previews

White Background



This preview shows how the Hex color 312B23 looks on a white background.

Color Contrast Check

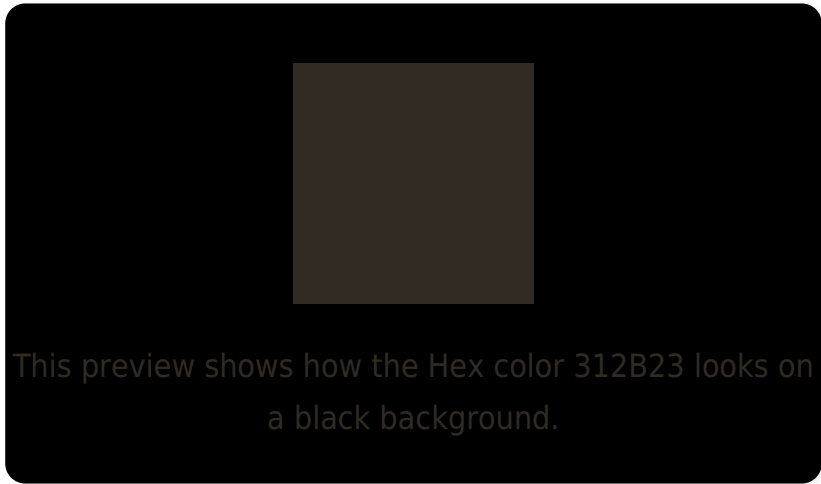
Large Text (above 18pt) WCAG AA ✓ Pass

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

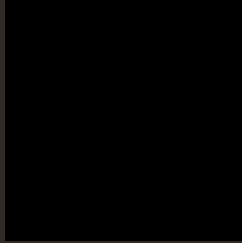
Any Text WCAG AA × Fail

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 312B23 Background



This preview shows how black text looks on a background with the Hex color 312B23.

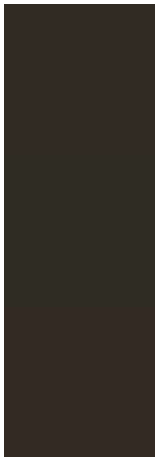


This preview shows how white text looks on a background with the Hex color 312B23.

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

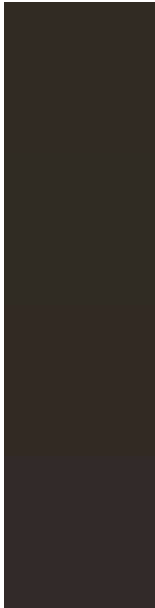


Original Color
312B23

Protanopia
2F2C23

Deuteranopia
332A23

Trichromacy



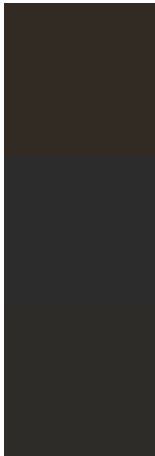
Original Color
312B23

Protanomaly
302C23

Deuteranomaly
322A23

Tritanomaly
322A29

Monochromacy



Original Color
312B23

Achromatopsia
2C2C2C

Achromatomaly
2E2C29

CSS Examples

Text

The CSS property to change the color of the text to Hex 312B23 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 #312B23 looks like.

```
.text, #text, p{  
    color:#312B23  
}
```

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 #312B23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312B23
}
```

Border

The CSS property to change the border of an element to Hex 312B23 is called "border". The border property can be set on classes, ids or directly on the HTML element.

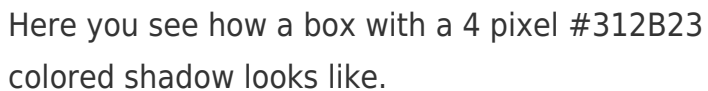
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312B23 }
```

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

```
.border{ border-color:#312B23 }
```

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



Here you see how a box with a 4 pixel #312B23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312B23; -webkit-box-shadow:4px 4px  
4px 4px #312B23; box-shadow:4px 4px 4px  
4px #312B23 }
```

Background

The CSS property to change the background color of an element to Hex 312B23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312B23 }
```

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

```
.background{ background-color:#312B23 }
```

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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