

Converting Colors

Hex(312C19)

Have a look what the booklet for
Hex(312C19) contains.

Hex(312C19)	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(312C19)

Conversions

Conversions Part 1

Format	Color
Hex	312C19
RGB	49, 44, 25
RGB Percent	19%, 17%, 10%
CMY	0.8078, 0.8275, 0.9020
CMYK	0.00, 0.10, 0.49, 0.81
HSL	47°, 32%, 15%
HSV	47°, 49%, 19%
XYZ	2.3428, 2.5245, 1.2835
YIQ	43.3290, 9.0790, -4.8490

Conversions

Conversions Part 2

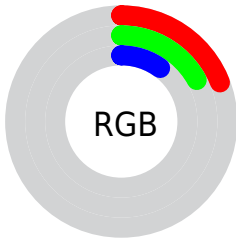
Format	Color
RYB	31, 49, 25
Decimal	3222553
CIELab	18.03, -1.16, 13.15
CIELCh	18, 13.205, 95.060
Yxy	2.5245, 0.3809, 0.4104
Android (android.graphics.Color)	4281412633 (0xFF312C19)
YUV	43.3290, -9.0362, 4.9735
Hunter-Lab	15.8887, -1.4857, 6.3326

Details

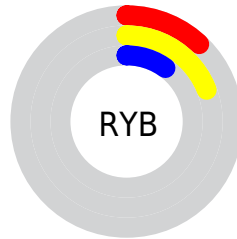
The Hex color **312C19** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **191E31**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **605944**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **312B14**, and if you desaturate by 10%, it is **312D1E**.

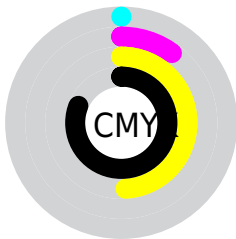
Distribution



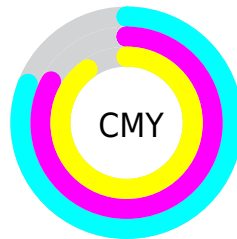
- Red (19%)
- Green (17%)
- Blue (10%)



- Red (12%)
- Yellow (19%)
- Blue (10%)



- Cyan (0%)
- Magenta (10%)
- Yellow (49%)
- Black (81%)



- Cyan (81%)
- Magenta (83%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312C19 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 312C19 by changing the saturation by 10% instead.

■ 312C19

■ 312C19

■ FFFFC

■ 1D1700

■ 605944

■ 000000

■ 79725C

■ 938B75

■ ADA68E

■ C9C1A9

■ E5DDC4

■ FFF9E0

■ 312C19

■ 312C19

■ 312B14

■ 312D1E

■ 312A0F

■ 312E23

■ 31290A

■ 312F28

■ 312805

■ 31302D

■ 312700

■ 313132

■ 313236

■ 31333B

■ 313440

■ 313545

Harmonies

Analogous

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



39291B



312C19



272F1C

Triad

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



312C19



0B3137



392634

Complementary

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



312C19



191E31

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.



2F293C



312C19



132F3D

Square

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



312C19



10312D



222C3F



3E252B

Rectangle

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



312C19



1F3021



222C3F



372737

Sweetspot

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



312C19



403E36



31191E



21201B



A1A1A1



212121

Same Dimension

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



312C19



40381A



2A3119



1A1917



594700



D9AC00

Inverse Universe

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



191E31



1A2240



201931



17171A



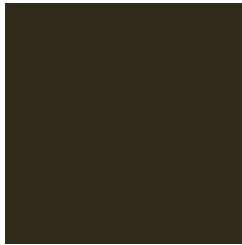
001359



002DD9

Previews

White Background



This preview shows how the Hex color 312C19 looks on a white background.

Color Contrast Check

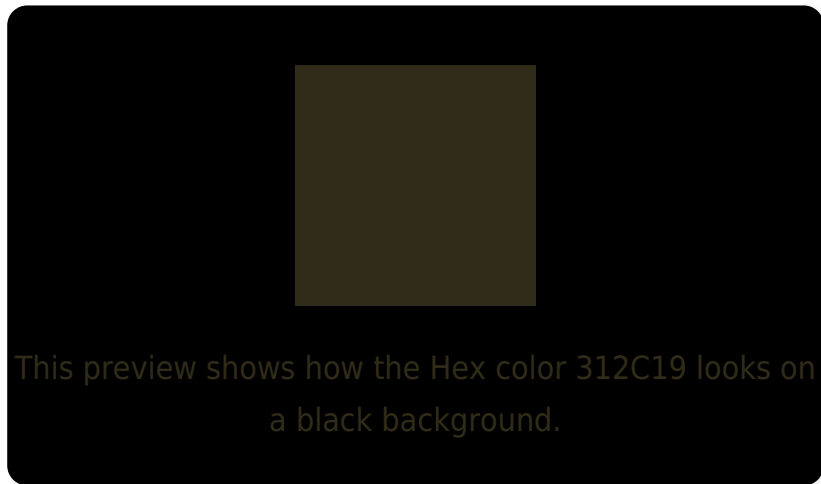
Large Text (above 18pt) WCAG AA ✓ Pass

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

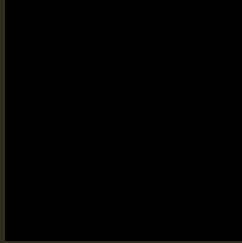
Any Text WCAG AA × Fail

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 312C19 Background



This preview shows how black text looks on a background with the Hex color 312C19.

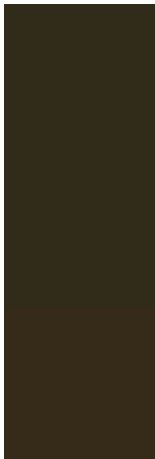


This preview shows how white text looks on a background with the Hex color 312C19.

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](#).

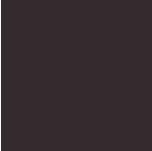
Dichromacy



Original Color
312C19

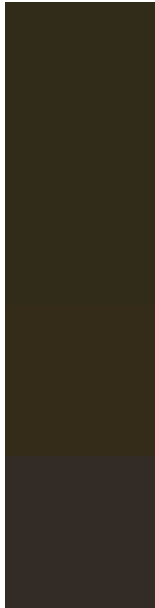
Protanopia
302C19

Deuteranopia
362A19



Tritanopia
332A2D

Trichromacy



Original Color
312C19

Protanomaly
302C19

Deuteranomaly
342B19

Tritanomaly
322B26

Monochromacy



Original Color
312C19

Achromatopsia
2B2B2B

Achromatomaly
2D2B24

CSS Examples

Text

The CSS property to change the color of the text to Hex 312C19 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 #312C19 looks like.

```
.text, #text, p{  
    color:#312C19  
}
```

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 #312C19 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312C19
}
```

Border

The CSS property to change the border of an element to Hex 312C19 is called "border". The border property can be set on classes, ids or directly on the HTML element.

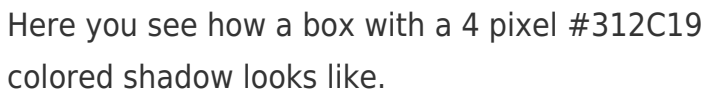
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312C19 }
```

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

```
.border{ border-color:#312C19 }
```

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



Here you see how a box with a 4 pixel #312C19 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312C19; -webkit-box-shadow:4px 4px  
4px 4px #312C19; box-shadow:4px 4px 4px  
4px #312C19 }
```

Background

The CSS property to change the background color of an element to Hex 312C19 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312C19 }
```

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

```
.background{ background-color:#312C19 }
```

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