

Converting Colors

Hex(312F13)

Have a look what the booklet for
Hex(312F13) contains.

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Color

Hex(312F13)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 312F13 |
| RGB | 49, 47, 19 |
| RGB Percent | 19%, 18%, 7% |
| CMY | 0.8078, 0.8157, 0.9255 |
| CMYK | 0.00, 0.04, 0.61, 0.81 |
| HSL | 56°, 44%, 13% |
| HSV | 56°, 61%, 19% |
| XYZ | 2.4007, 2.7330, 1.0171 |
| YIQ | 44.4060, 10.1800, -8.2840 |

Conversions

Conversions Part 2

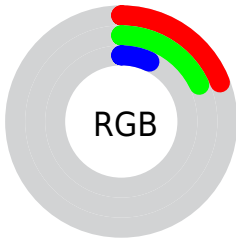
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 21, 49, 19 |
| Decimal | 3223315 |
| CIE Lab | 18.94, -3.91, 18.12 |
| CIE LCh | 19, 18.539, 102.166 |
| Yxy | 2.7330, 0.3903, 0.4443 |
| Android (android.graphics.Color) | 4281413395 (0xFF312F13) |
| YUV | 44.4060, -12.5252, 4.0289 |
| Hunter-Lab | 16.5318, -3.0097, 7.9246 |

Details

The Hex color **312F13** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **131531**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **605D3E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **312F0E**, and if you desaturate by 10%, it is **312F18**.

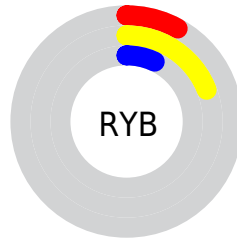
Distribution



Red (19%)

Green (18%)

Blue (7%)



Red (8%)

Yellow (19%)

Blue (7%)

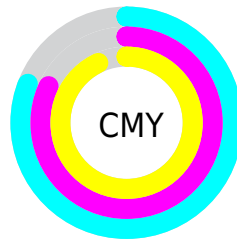


Cyan (0%)

Magenta (4%)

Yellow (61%)

Black (81%)



Cyan (81%)

Magenta (82%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312F13 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 312F13 by changing the saturation by 10% instead.

 312F13

 312F13

 FFFFF5

 1D1A00

 605D3E

 000000

 797556

 938F6E

 AEA987

 CAC5A2

 E6E0BD

 FFFDD9

 312F13

 312F13

■ 312F0E

■ 312F18

■ 312E09

■ 31301D

■ 312E04

■ 313022

■ 312E00

■ 313027

■ 31312C

■ 313130

■ 313135

■ 31323A

■ 31323F

Harmonies

Analogous

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



3D2A14



312F13



223219

Triad

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



312F13



003440



432437

Complementary

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



312F13



131531

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.



362842



312F13



033247

Square

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



312F13



003533



222E48



482329

Rectangle

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



312F13



163421



222E48



40253B

Sweetspot

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



312F13



403F34



311315



21211A



A1A1A1



212121

Same Dimension

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



312F13



403D11



243113



1A1917



595300



D9CA00

Inverse Universe

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



131531



111440



201331



17171A



000659



000ED9

Previews

White Background



This preview shows how the Hex color 312F13 looks on a white background.

Color Contrast Check

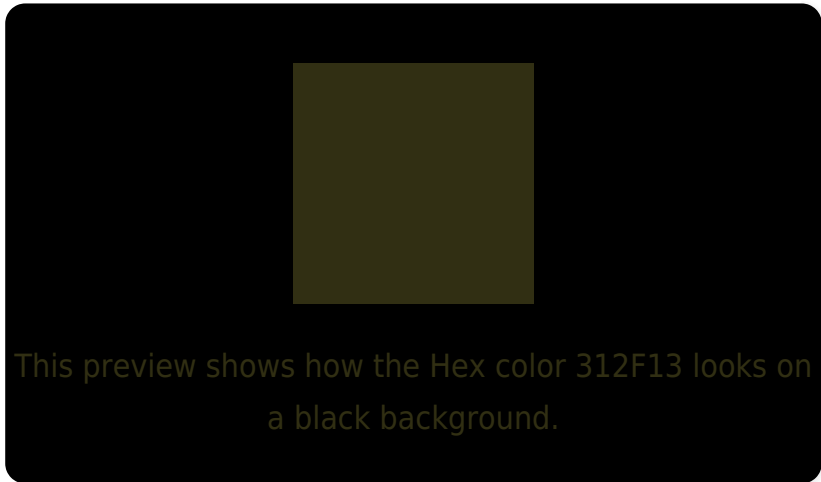
Large Text (above 18pt) WCAG AA ✓ Pass

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

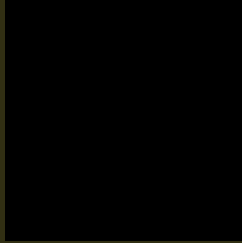
Any Text WCAG AA × Fail

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 312F13 Background



This preview shows how black text looks on a background with the Hex color 312F13.

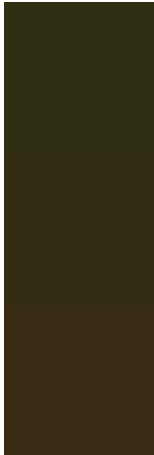


This preview shows how white text looks on a background with the Hex color 312F13.

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
312F13

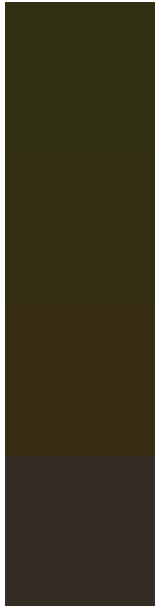
Protanopia
332E13

Deuteranopia
392C14



Tritanopia
342C30

Trichromacy



Original Color
312F13

Protanomaly
322E13

Deuteranomaly
362D14

Tritanomaly
332D25

Monochromacy



Original Color
312F13

Achromatopsia
2C2C2C

Achromatomaly
2E2D23

CSS Examples

Text

The CSS property to change the color of the text to Hex 312F13 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 #312F13 looks like.

```
.text, #text, p{  
    color:#312F13  
}
```

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 #312F13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312F13
}
```

Border

The CSS property to change the border of an element to Hex 312F13 is called "border". The border property can be set on classes, ids or directly on the HTML element.

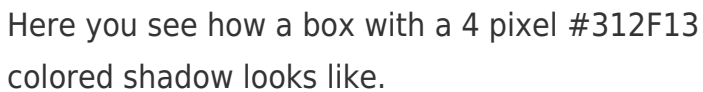
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#312F13 }
```

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

```
.border{ border-color:#312F13 }
```

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



Here you see how a box with a 4 pixel #312F13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312F13; -webkit-box-shadow:4px 4px  
4px 4px #312F13; box-shadow:4px 4px 4px  
4px #312F13 }
```

Background

The CSS property to change the background color of an element to Hex 312F13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312F13 }
```

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

```
.background{ background-color:#312F13 }
```

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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