

Converting Colors

Hex(312A10)

Have a look what the booklet for
Hex(312A10) contains.

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Color

Hex(312A10)

Conversions

Conversions Part 1

Format	Color
Hex	312A10
RGB	49, 42, 16
RGB Percent	19%, 16%, 6%
CMY	0.8078, 0.8353, 0.9373
CMYK	0.00, 0.14, 0.67, 0.81
HSL	47°, 51%, 13%
HSV	47°, 67%, 19%
XYZ	2.1881, 2.3463, 0.8278
YIQ	41.1290, 12.5180, -6.6020

Conversions

Conversions Part 2

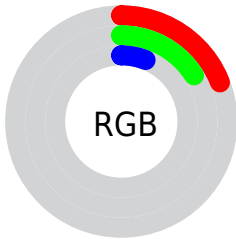
Format	Color
R_{YB}	25, 49, 16
Decimal	3222032
CIE _{Lab}	17.21, -0.90, 17.83
CIE _{LCh}	17, 17.853, 92.902
Yxy	2.3463, 0.4081, 0.4376
Android (android.graphics.Color)	4281412112 (0xFF312A10)
YUV	41.1290, -12.3886, 6.9029
Hunter-Lab	15.3177, -1.3074, 7.5183

Details

The Hex color **312A10** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **101731**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **60573B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31290B**, and if you desaturate by 10%, it is **312B15**.

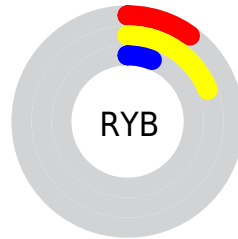
Distribution



Red (19%)

Green (16%)

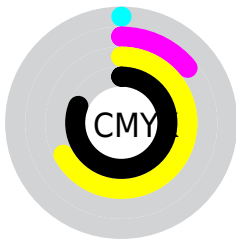
Blue (6%)



Red (10%)

Yellow (19%)

Blue (6%)

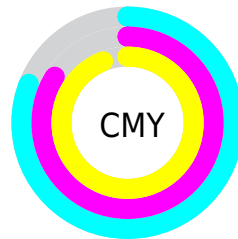


Cyan (0%)

Magenta (14%)

Yellow (67%)

Black (81%)



Cyan (81%)

Magenta (84%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312A10 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 312A10 by changing the saturation by 10% instead.

 312A10

 312A10

 FFFFF1

 1C1600

 60573B

 000000

 7A6F52


 94896A

 AFA384

 CABE9E

 E6DAB9

 FFF6D5

 312A10

 312A10

■ 31290B

■ 312B15

■ 312806

■ 312C1A

■ 312701

■ 312D1F

■ 312700

■ 312E24

■ 312F29

■ 31302D

■ 313132

■ 313237

■ 31333C

Harmonies

Analogous

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



3B2514



312A10



242E14

Triad

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



312A10



003138



3B2236

Complementary

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



312A10



101731

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.



2D2740



312A10



002F41

Square

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



312A10



00312B



182B44



42202A

Rectangle

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



312A10



192F1A



182B44



37233A

Sweetspot

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



312A10



403D33



311017



211F19



A1A1A1



212121

Same Dimension

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



312A10



40350C



283110



1A1917



594600



D9AB00

Inverse Universe

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



101731



0C1740



191031



17171A



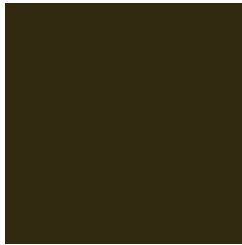
001359



002ED9

Previews

White Background



This preview shows how the Hex color 312A10 looks on a white background.

Color Contrast Check

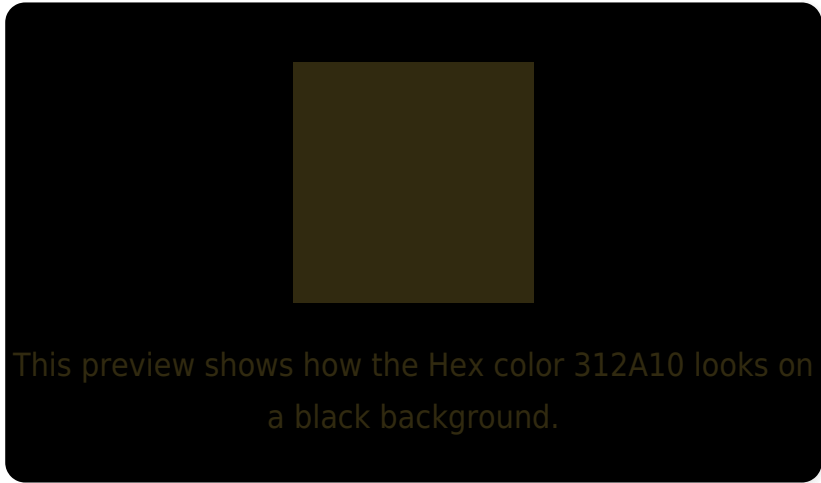
Large Text (above 18pt) WCAG AA ✓ Pass

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

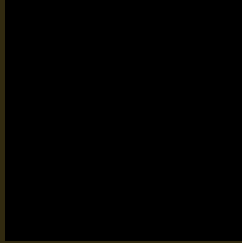
Any Text WCAG AA × Fail

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 312A10 Background



This preview shows how black text looks on a background with the Hex color 312A10.

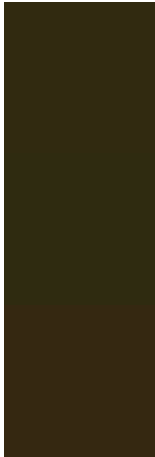


This preview shows how white text looks on a background with the Hex color 312A10.

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](#).

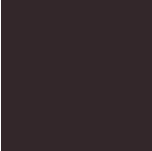
Dichromacy



Original Color
312A10

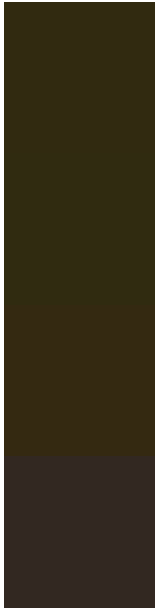
Protanopia
2F2B10

Deuteranopia
352811



Tritanopia
33272A

Trichromacy



Original Color
312A10

Protanomaly
302B10

Deuteranomaly
342911

Tritanomaly
322821

Monochromacy



Original Color
312A10

Achromatopsia
292929

Achromatomaly
2C2920

CSS Examples

Text

The CSS property to change the color of the text to Hex 312A10 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 #312A10 looks like.

```
.text, #text, p{  
    color:#312A10  
}
```

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 #312A10 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312A10
}
```

Border

The CSS property to change the border of an element to Hex 312A10 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
#312A10 }
```

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

```
.border{ border-color:#312A10 }
```

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

Here you see how a box with a 4 pixel #312A10 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312A10; -webkit-box-shadow:4px 4px  
4px 4px #312A10; box-shadow:4px 4px 4px  
4px #312A10 }
```

Background

The CSS property to change the background color of an element to Hex 312A10 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312A10 }
```

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

```
.background{ background-color:#312A10 }
```

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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