

Converting Colors

Hex(313017)

Have a look what the booklet for
Hex(313017) contains.

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Color

Hex(313017)

Conversions

Conversions Part 1

Format	Color
Hex	313017
RGB	49, 48, 23
RGB Percent	19%, 19%, 9%
CMY	0.8078, 0.8118, 0.9098
CMYK	0.00, 0.02, 0.53, 0.81
HSL	58°, 36%, 14%
HSV	58°, 53%, 19%
XYZ	2.4782, 2.8287, 1.2260
YIQ	45.4490, 8.6210, -7.5630

Conversions

Conversions Part 2

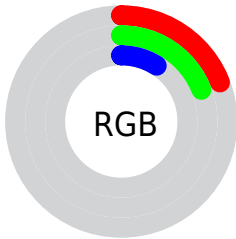
Format	Color
RYB	24, 49, 23
Decimal	3223575
CIELab	19.34, -4.08, 16.11
CIELCh	19, 16.621, 104.218
Yxy	2.8287, 0.3793, 0.4330
Android (android.graphics.Color)	4281413655 (0xFF313017)
YUV	45.4490, -11.0674, 3.1142
Hunter-Lab	16.8188, -3.1313, 7.4513

Details

The Hex color **313017** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **171831**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **605E42**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **313012**, and if you desaturate by 10%, it is **31301C**.

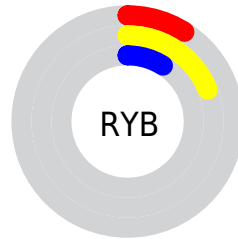
Distribution



Red (19%)

Green (19%)

Blue (9%)



Red (9%)

Yellow (19%)

Blue (9%)

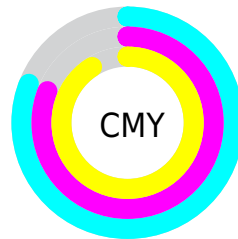


Cyan (0%)

Magenta (2%)

Yellow (53%)

Black (81%)



Cyan (81%)


Magenta (81%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 313017 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 313017 by changing the saturation by 10% instead.

 313017

 313017

 FFFFFA

 1D1B00

 605E42

 000000

 79775A


 939073

 AEAB8C

 C9C6A7

 E5E2C2

 FFFEDE

 313017

 313017

■ 313012

■ 31301C

■ 31300D

■ 313021

■ 312F08

■ 313126

■ 312F03

■ 31312B

■ 312F00

■ 313130

■ 313134

■ 313139

■ 31323E

■ 313243

Harmonies

Analogous

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



3C2C18



313017



24331D

Triad

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



313017



00343F



422636

Complementary

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



313017



171831

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.



372A40



313017



103246

Square

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



313017



013534



262E46



46252A

Rectangle

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



313017



193424



262E46



3F273A

Sweetspot

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



313017



403F36



311718



21211B



A1A1A1



212121

Same Dimension

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



313017



403E17



253117



1A1917



595600



D9D000

Inverse Universe

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



171831



171940



231731



17171A



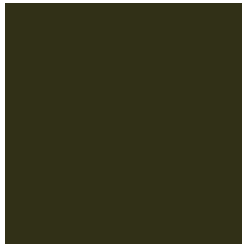
000359



0008D9

Previews

White Background



This preview shows how the Hex color 313017 looks on a white background.

Color Contrast Check

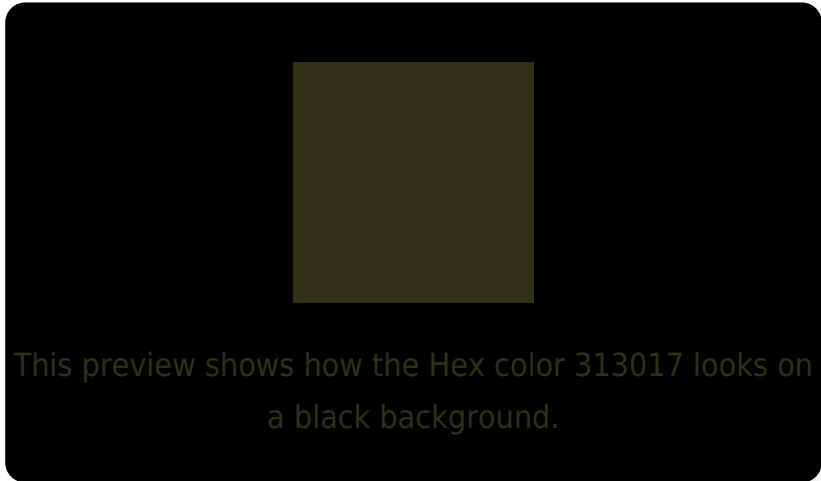
Large Text (above 18pt) WCAG AA ✓ Pass

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

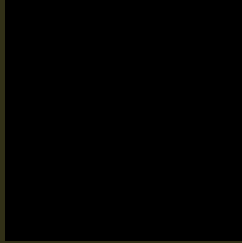
Any Text WCAG AA × Fail

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 313017 Background



This preview shows how black text looks on a background with the Hex color 313017.

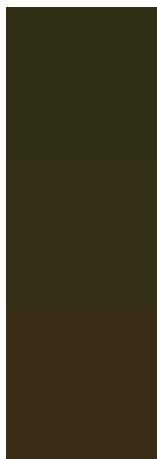


This preview shows how white text looks on a background with the Hex color 313017.

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
313017

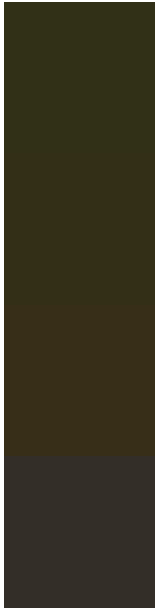
Protanopia
342F17

Deuteranopia
3A2D18



Tritanopia
342D31

Trichromacy



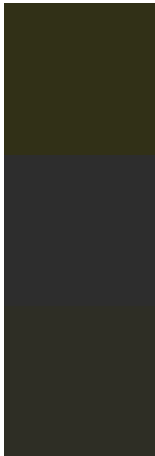
Original Color
313017

Protanomaly
332F17

Deuteranomaly
372E18

Tritanomaly
332E28

Monochromacy



Original Color
313017

Achromatopsia
2D2D2D

Achromatomaly
2E2E25

CSS Examples

Text

The CSS property to change the color of the text to Hex 313017 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 #313017 looks like.

```
.text, #text, p{  
    color:#313017  
}
```

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 #313017 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313017
}
```

Border

The CSS property to change the border of an element to Hex 313017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

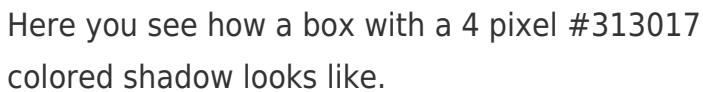
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#313017 }
```

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

```
.border{ border-color:#313017 }
```

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



Here you see how a box with a 4 pixel #313017 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313017; -webkit-box-shadow:4px 4px  
4px 4px #313017; box-shadow:4px 4px 4px  
4px #313017 }
```

Background

The CSS property to change the background color of an element to Hex 313017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313017 }
```

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

```
.background{ background-color:#313017 }
```

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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