

Converting Colors

Hex(313023)

Have a look what the booklet for
Hex(313023) contains.

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Color

Hex(313023)

Conversions

Conversions Part 1

Format	Color
Hex	313023
RGB	49, 48, 35
RGB Percent	19%, 19%, 14%
CMY	0.8078, 0.8118, 0.8627
CMYK	0.00, 0.02, 0.29, 0.81
HSL	56°, 17%, 16%
HSV	56°, 29%, 19%
XYZ	2.6269, 2.8882, 2.0091
YIQ	46.8170, 4.7690, -3.8310

Conversions

Conversions Part 2

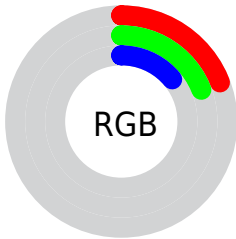
Format	Color
R_YB	36, 49, 35
Decimal	3223587
CIE Lab	19.59, -2.23, 8.51
CIE LCh	20, 8.801, 104.708
Yxy	2.8882, 0.3491, 0.3839
Android (android.graphics.Color)	4281413667 (0xFF313023)
YUV	46.8170, -5.8258, 1.9145
Hunter-Lab	16.9948, -2.1494, 4.8870

Details

The Hex color **313023** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **232431**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **5F5E4F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **31301E**, and if you desaturate by 10%, it is **313028**.

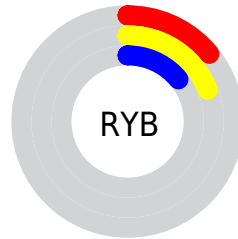
Distribution



Red (19%)

Green (19%)

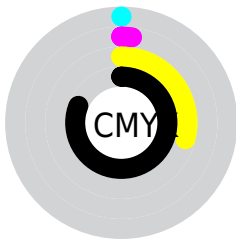
Blue (14%)



Red (14%)

Yellow (19%)

Blue (14%)

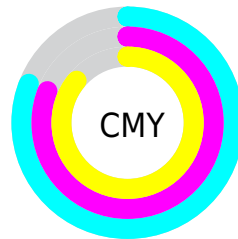


Cyan (0%)

Magenta (2%)

Yellow (29%)

Black (81%)



Cyan (81%)

Magenta (81%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Hex color 313023 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 313023 by changing the saturation by 10% instead.

■ 313023

■ 313023

FFFFFF

■ 1C1B0E

■ 5F5E4F

■ 000000

■ 787767

■ 929081

■ ACAB9B

■ C8C6B5

■ E4E2D1

■ FFFFED

■ 313023

■ 313023

■ 31301E

■ 313028

■ 312F19

■ 31312D

■ 312F14

■ 313132

■ 312F0F

■ 313137

■ 312E0B

■ 31323C

■ 312E06

■ 313240

■ 312E01

■ 313245

■ 312D00

■ 31334A

■ 31334F

Harmonies

Analogous

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



372E23



313023



2A3226

Triad

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



313023



1E3238



3A2B33

Complementary

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



313023



232431

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.



342D39



313023



24313C

Square

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



313023



1E3332



2C2F3C



3D2B2C

Rectangle

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



313023



25332A



2C2F3C



392C35

Sweetspot

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



313023



403F3A



312324



21211E



A1A1A1



212121

Same Dimension

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



313023



403E2A



2B3123



1A1917



595300



D9C900

Inverse Universe

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



232431



2A2C40



292331



17171A



000659



000FD9

Previews

White Background



This preview shows how the Hex color 313023 looks on a white background.

Color Contrast Check

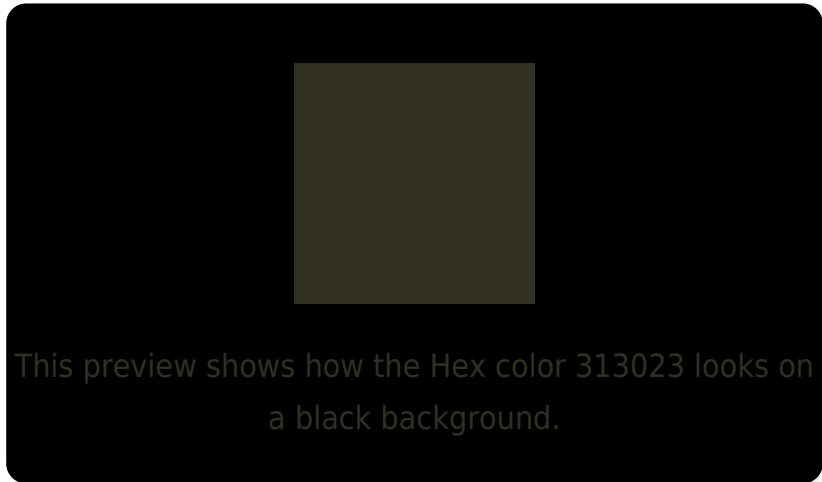
Large Text (above 18pt) WCAG AA ✓ Pass

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

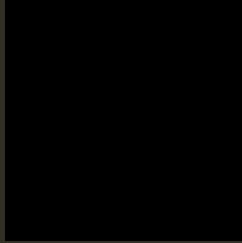
Any Text WCAG AA × Fail

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 313023 Background



This preview shows how black text looks on a background with the Hex color 313023.

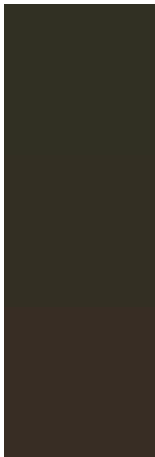


This preview shows how white text looks on a background with the Hex color 313023.

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
313023

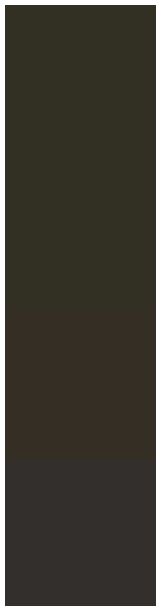
Protanopia
332F23

Deuteranopia
382D24



Tritanopia
332E32

Trichromacy



Original Color

313023

Protanomaly

322F23

Deuteranomaly

352E24

Tritanomaly

322F2D

Monochromacy



Original Color

313023

Achromatopsia

2F2F2F

Achromatomaly

302F2B

CSS Examples

Text

The CSS property to change the color of the text to Hex 313023 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 #313023 looks like.

```
.text, #text, p{  
    color:#313023  
}
```

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 #313023 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313023 }  
}
```

Border

The CSS property to change the border of an element to Hex 313023 is called "border". The border property can be set on classes, ids or directly on the HTML element.

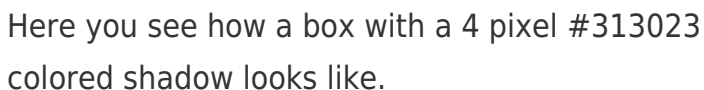
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #313023 }  
}
```

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

```
.border{ border-color:#313023 }
```

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



Here you see how a box with a 4 pixel #313023 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313023; -webkit-box-shadow:4px 4px  
4px 4px #313023; box-shadow:4px 4px 4px  
4px #313023 }
```

Background

The CSS property to change the background color of an element to Hex 313023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313023 }
```

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

```
.background{ background-color:#313023 }
```

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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