Converting Colors

Hex(313300)

Have a look what the booklet for Hex(313300) contains.

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Color

Hex(313300)

Conversions

Conversions Part 1

Format	Color
Hex	313300
RGB	49, 51, 0
RGB Percent	19%, 20%, 0%
CMY	0.8078, 0.8000, 1.0000
CMYK	0.04, 0.00, 1.00, 0.80
HSL	62°, 100%, 10%
HSV	62°, 100%, 20%
XYZ	2.4504, 3.0206, 0.4539
YIQ	44.5880, 15.1790, -16.2850

Conversions

Conversions Part 2

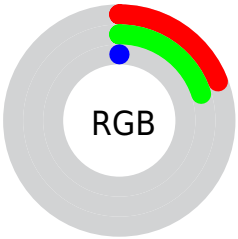
Format	Color
RYB	0, 51, 2
Decimal	3224320
CIELab	20.13, -8.01, 28.21
CIELCh	20, 29.323, 105.849
Yxy	3.0206, 0.4136, 0.5098
Android (android.graphics.Color)	4281414400 (0xFF313300)
YUV	44.5880, -21.9819, 3.8693
Hunter-Lab	17.3799, -5.2476, 10.6176

Details

The Hex color 313300 is a dark color, and the websafe version is hex 333300. A complement of this color would be 020033, and the grayscale version is 2D2D2D.

A 20% lighter version of the original color is 61612F, and 000100 is the 20% darker color. If you saturate the color by 10%, you get 313300, and if you desaturate by 10%, it is 313305.

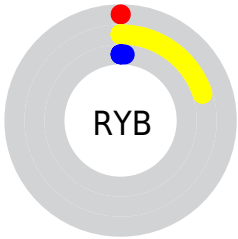
Distribution



Red (19%)

Green (20%)

Blue (0%)



Red (0%)

Yellow (20%)

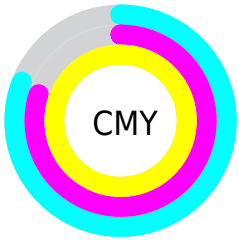
Blue (1%)

Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (80%)



Cyan (81%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 313300 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 313300 by changing the saturation by 10% instead.

313300

FFFFE4

61612F

7A7A46

95945F

B0AE78

CCCA92

E8E6AD

FFFFC8

313300

313300

1A1E00

000100

000000

313300

313305

31330A

32330F

323314

32331A

32331F

323324

333329

33332E

Harmonies

Analogous

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

442C01

313300

173811

Triad

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

313300

003A4F

521D3C

Complementary

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

313300

020033

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.

40264F

313300

00365A

Square

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

313300

003B3C

1C2F5A

571C26

Rectangle

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

313300

00391E

1C2F5A

4E2043

Sweetspot

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

313300

42422E

330200

212115

A1A1A1

212121

Same Dimension

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

313300

404200

183300

191A17

565900

D0D900

Inverse Universe

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

020033

030042

1B0033

17171A

030059

0800D9

Previews

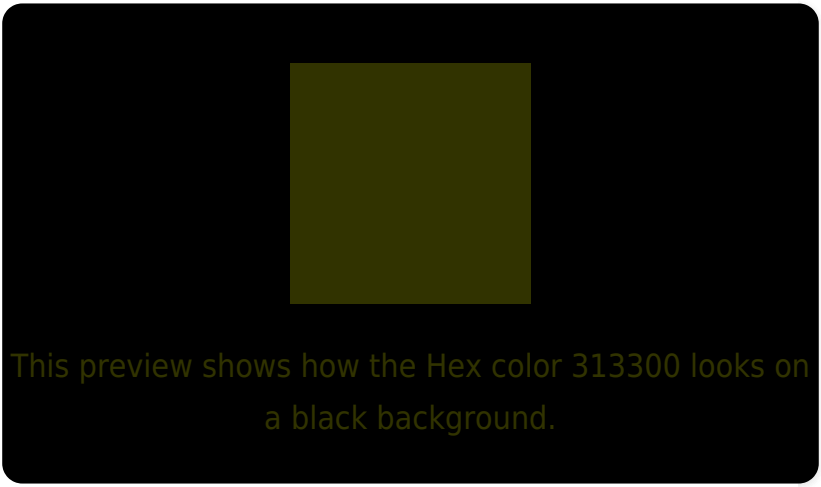
White Background

This preview shows how the Hex color 313300 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

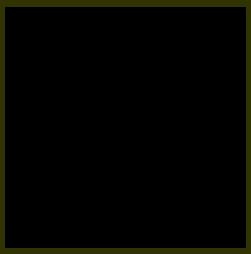


Color Contrast Check

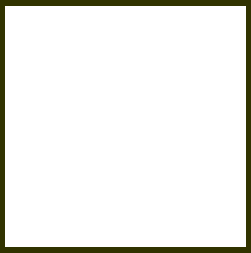
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Hex 313300 Background



This preview shows how black text looks on a background with the Hex color 313300.

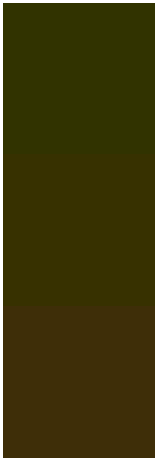


This preview shows how white text looks on a background with the Hex color 313300.

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
313300

Protanopia
373100

Deuteranopia
3E2E08

Tritanopia
352F33

Trichromacy

Original Color
313300

Protanomaly
353200

Deuteranomaly
393005

Tritanomaly
343020

Monochromacy

Original Color
313300

Achromatopsia
2D2D2D

Achromatomaly
2E2F1D

CSS Examples

Text

The CSS property to change the color of the text to Hex 313300 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 #313300 looks like.

```
.text, #text, p{
    color:#313300
}
```

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 #313300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313300
}
```

Border

The CSS property to change the border of an element to Hex 313300 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
#313300 }
```

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

```
.border{ border-color:#313300 }
```

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

Here you see how a box with a 4 pixel #313300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px #313300; -webkit-box-shadow:4px 4px 4px 4px #313300; box-shadow:4px 4px 4px 4px #313300 }
```

Background

The CSS property to change the background color of an element to Hex 313300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:#313300 }
```

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

```
.background{ background-color:#313300 }
```

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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