

# Converting Colors

Hex(313729)

Have a look what the booklet for  
Hex(313729) contains.

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# Color

**Hex(313729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	313729
RGB	49, 55, 41
RGB Percent	19%, 22%, 16%
CMY	0.8078, 0.7843, 0.8392
CMYK	0.11, 0.00, 0.25, 0.78
HSL	86°, 15%, 19%
HSV	86°, 25%, 22%
XYZ	3.0330, 3.5454, 2.6223
YIQ	51.6100, 0.9180, -5.6260

# Conversions

## Conversions Part 2

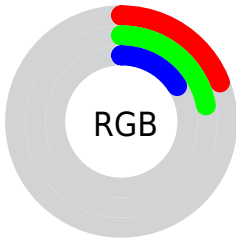
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 55, 47
Decimal	3225385
CIELab	22.11, -5.67, 7.95
CIELCh	22, 9.759, 125.486
Yxy	3.5454, 0.3297, 0.3853
Android (android.graphics.Color)	4281415465 (0xFF313729)
YUV	51.6100, -5.2307, -2.2890
Hunter-Lab	18.8293, -4.1984, 4.9234

# Details

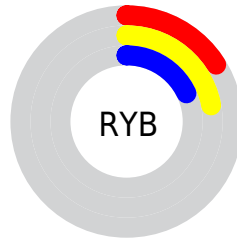
The Hex color **313729** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2F2937**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **5F6656**, and **000C00** is the 20% darker color. If you saturate the color by 10%, you get **2F3724**, and if you desaturate by 10%, it is **33372F**.

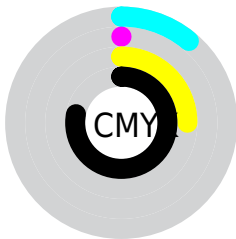
# Distribution



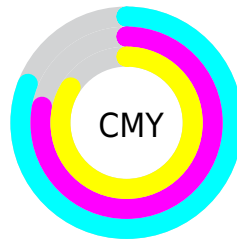
- Red (19%)
- Green (22%)
- Blue (16%)



- Red (16%)
- Yellow (22%)
- Blue (18%)



- Cyan (11%)
- Magenta (0%)
- Yellow (25%)
- Black (78%)



- Cyan (81%)
- Magenta (78%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 313729 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 313729 by changing the saturation by 10% instead.



■ 313729

■ 313729

FFFFFF

■ 1C2215

■ 5F6656

■ 000C00

■ 787F6F

■ 000000

■ 929988

■ ACB3A2

■ C8CFBD

■ E4EBD9

■ FFFFF5

■ 313729

■ 313729

■ 2F3724

■ 33372F

■ 2C371E

■ 363734

■ 2A3719

■ 38373A

■ 283713

■ 3A373F

■ 25370E

■ 3D3745

■ 233708

■ 3F374A

■ 213702

■ 423750

■ 1F3700

■ 443755

■ 46375B

# Harmonies

## Analogous

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



393527



313729



29382F

# Triad

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



313729



253742



433034

# Complementary

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



313729



2F2937

# 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.



3F313B



313729



2E3543

# Square

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



313729



21393D



383341



43302D

# Rectangle

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



313729



243934



383341



433036



# Sweetspot

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



313729



454742



372F29



222420



A3A3A3



242424



# Same Dimension

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



313729



3E4731



2A3729



1B1C19



345C00



7DDB00



# Inverse Universe

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



2F2937



3B3147



362937



1A191C



27005C

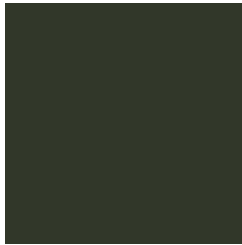


5E00DB



# Previews

## White Background



This preview shows how the Hex color 313729 looks on a white background.

## Color Contrast Check

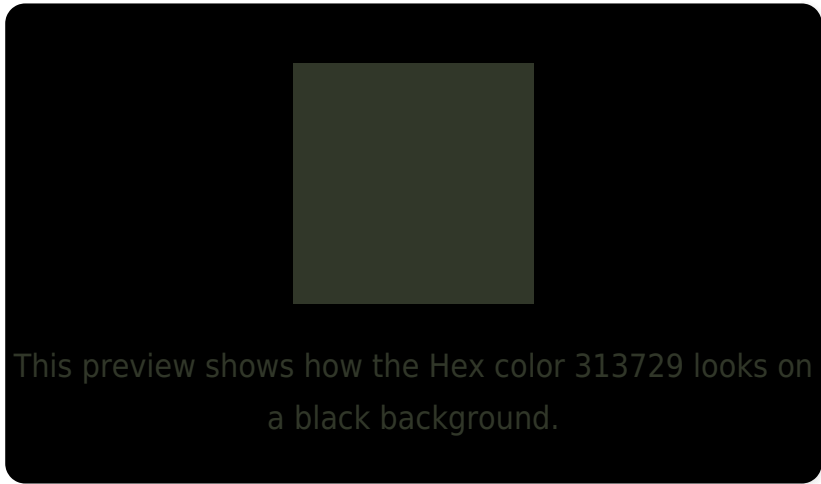
Large Text (above 18pt) WCAG AA ✓ Pass

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

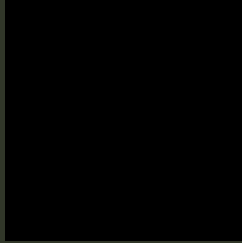
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

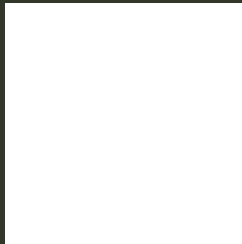
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 313729 Background



This preview shows how black text looks on a background with the Hex color 313729.

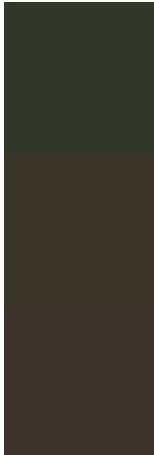


This preview shows how white text looks on a background with the Hex color 313729.

# 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](#).

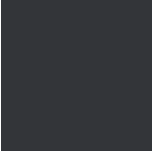
## Dichromacy



**Original Color**  
313729

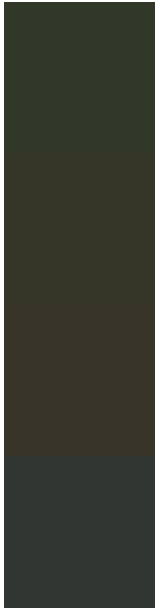
**Protanopia**  
393528

**Deuteranopia**  
3E332A



**Tritanopia**  
333539

# Trichromacy



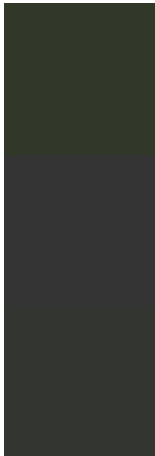
**Original Color**  
313729

**Protanomaly**  
363628

**Deuteranomaly**  
39342A

**Tritanomaly**  
323633

# Monochromacy



**Original Color**  
313729

**Achromatopsia**  
343434

**Achromatomaly**  
333530

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 313729 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 #313729 looks like.

```
.text, #text, p{  
    color:#313729  
}
```

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 #313729 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313729
}
```

## Border

The CSS property to change the border of an element to Hex 313729 is called "border". The border property can be set on classes, ids or directly on the HTML element.

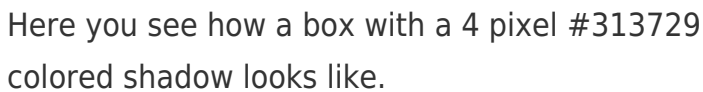
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#313729 }
```

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

```
.border{ border-color:#313729 }
```

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



Here you see how a box with a 4 pixel #313729 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313729; -webkit-box-shadow:4px 4px  
4px 4px #313729; box-shadow:4px 4px 4px  
4px #313729 }
```

# Background

The CSS property to change the background color of an element to Hex 313729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313729 }
```

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

```
.background{ background-color:#313729 }
```

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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