

# Converting Colors

Hex(313D50)

Have a look what the booklet for  
Hex(313D50) contains.

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# Color

**Hex(313D50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	313D50
RGB	49, 61, 80
RGB Percent	19%, 24%, 31%
CMY	0.8078, 0.7608, 0.6863
CMYK	0.39, 0.24, 0.00, 0.69
HSL	217°, 24%, 25%
HSV	217°, 39%, 31%
XYZ	4.3833, 4.5696, 8.2404
YIQ	59.5780, -13.2510, 3.3650

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 58, 80
Decimal	3226960
CIE <sub>Lab</sub>	25.47, 0.55, -13.09
CIE <sub>LCh</sub>	25, 13.106, 272.394
Yxy	4.5696, 0.2549, 0.2658
Android (android.graphics.Color)	4281417040 (0xFF313D50)
YUV	59.5780, 10.0680, -9.2769
Hunter-Lab	21.3767, -0.8075, -7.8917

# Details

The Hex color **313D50** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **504431**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **606C81**, and **041323** is the 20% darker color. If you saturate the color by 10%, you get **293850**, and if you desaturate by 10%, it is **394250**.

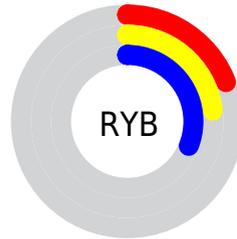
# Distribution



Red (19%)

Green (24%)

Blue (31%)



Red (19%)

Yellow (23%)

Blue (31%)

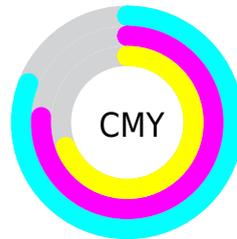


Cyan (39%)

Magenta (24%)

Yellow (0%)

Black (69%)



Cyan (81%)

Magenta (76%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 313D50 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 313D50 by changing the saturation by 10% instead.



■ 313D50

■ 313D50

FFFFFF

■ 1B2739

■ 606C81

■ 041323

■ 79869B

■ 00010D

■ 93A0B6

■ 000000

■ AEBBD2

■ CAD6EE

■ E6F3FF

■ 313D50

■ 313D50

■ 293850

■ 394250

■ 213350

■ 414750

■ 192E50

■ 494C50

■ 112950

■ 515150

■ 092450

■ 595650

■ 012050

■ 615A50

■ 001F50

■ 695F50

■ 716450

■ 796950

# Harmonies

## Analogous

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



24404E



313D50



3F3A4D

# Triad

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



313D50



503632



2D4133

# Complementary

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



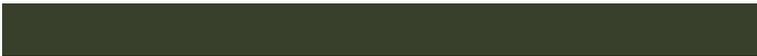
313D50



504431

# 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.



383F2B



313D50



4B392B

# Square

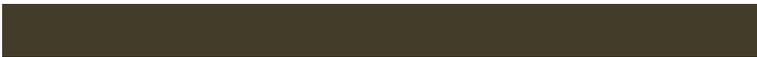
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



313D50



50353C



433C29



23423D

# Rectangle

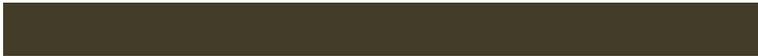
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



313D50



473749



433C29



304030



# Sweetspot

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



313D50



5C6169



315044



2E3136



B5B5B5



363636



# Same Dimension

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



313D50



374A69



343150



252629



002869



005AE8



# Inverse Universe

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



50313D



69374A



4D5031



292526



690028



E8005A



# Previews

## White Background



This preview shows how the Hex color 313D50 looks on a white background.

## Color Contrast Check

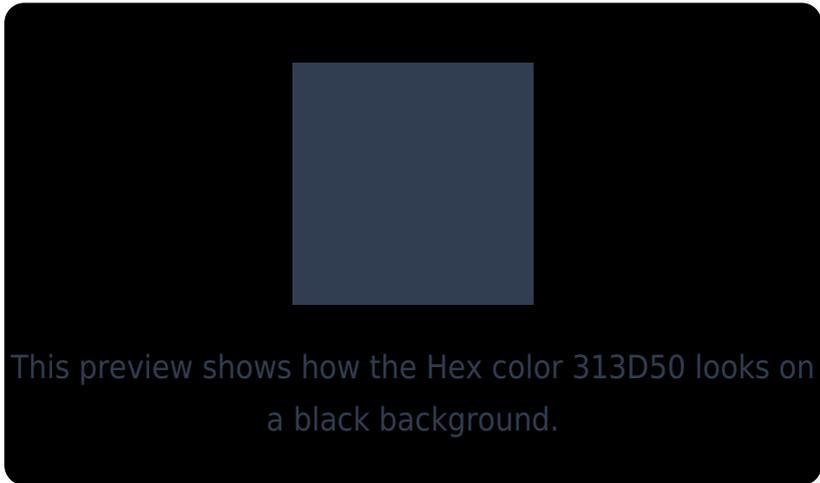
Large Text (above 18pt) WCAG AA ✓ Pass

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

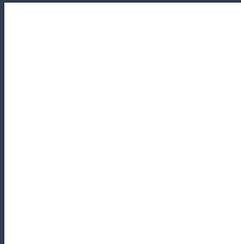
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 313D50 Background



This preview shows how black text looks on a background with the Hex color 313D50.



This preview shows how white text looks on a background with the Hex color 313D50.

# 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**

313D50

**Protanopia**

373C4F

**Deuteranopia**

373B50



**Tritanopia**  
2E3F44

# Trichromacy



**Original Color**  
313D50

**Protanomaly**  
353C4F

**Deuteranomaly**  
353C50

**Tritanomaly**  
2F3E48

# Monochromacy



**Original Color**  
313D50

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
383C43

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 313D50 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 #313D50 looks like.

```
.text, #text, p{  
    color:#313D50  
}
```

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 #313D50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313D50
}
```

## Border

The CSS property to change the border of an element to Hex 313D50 is called "border". The border property can be set on classes, ids or directly on the HTML element.

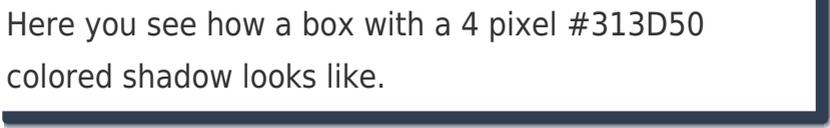
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#313D50 }
```

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

```
.border{ border-color:#313D50 }
```

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



Here you see how a box with a 4 pixel `#313D50` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313D50; -webkit-box-shadow:4px 4px  
4px 4px #313D50; box-shadow:4px 4px 4px  
4px #313D50 }
```

# Background

The CSS property to change the background color of an element to Hex 313D50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313D50 }
```

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

```
.background{ background-color:#313D50 }
```

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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