

# Converting Colors

Hex(313A63)

Have a look what the booklet for  
Hex(313A63) contains.

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# Color

**Hex(313A63)**

# Conversions

## Conversions Part 1

Format	Color
Hex	313A63
RGB	49, 58, 99
RGB Percent	19%, 23%, 39%
CMY	0.8078, 0.7725, 0.6118
CMYK	0.51, 0.41, 0.00, 0.61
HSL	229°, 34%, 29%
HSV	229°, 51%, 39%
XYZ	5.0318, 4.5799, 12.4232
YIQ	59.9830, -18.5250, 10.8430

# Conversions

## Conversions Part 2

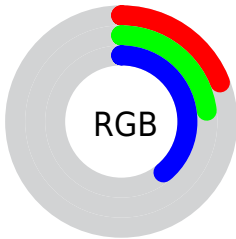
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 57, 99
Decimal	3226211
CIE Lab	25.50, 8.85, -25.45
CIE LCh	26, 26.943, 289.181
Yxy	4.5799, 0.2284, 0.2078
Android (android.graphics.Color)	4281416291 (0xFF313A63)
YUV	59.9830, 19.2354, -9.6321
Hunter-Lab	21.4008, 4.5181, -19.4374

# Details

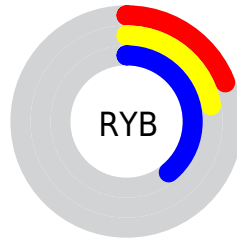
The Hex color **313A63** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **635A31**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **626996**, and **001034** is the 20% darker color. If you saturate the color by 10%, you get **273263**, and if you desaturate by 10%, it is **3B4263**.

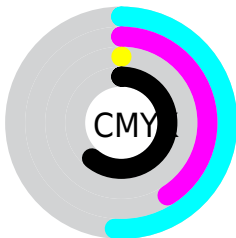
# Distribution



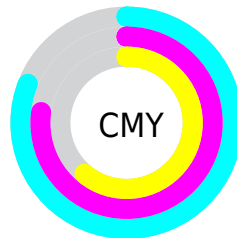
- Red (19%)
- Green (23%)
- Blue (39%)



- Red (19%)
- Yellow (22%)
- Blue (39%)



- Cyan (51%)
- Magenta (41%)
- Yellow (0%)
- Black (61%)



- Cyan (81%)
- Magenta (77%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 313A63 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 313A63 by changing the saturation by 10% instead.



■ 313A63

■ 313A63

FFFFFF

■ 18254B

■ 626996

■ 001034

■ 7C82B1

■ 00021F

■ 979CCC

■ 000001

■ B2B7E9

■ 000000

■ CED2FF

■ EAEFFF

■ 313A63

■ 313A63

■ 273263

■ 3B4263

■ 1D2A63

■ 454A63

■ 132263

■ 4F5263

■ 091A63

■ 595A63

■ 001263

■ 636363

■ 6C6B63

■ 767363

■ 807B63

■ 8A8363

# Harmonies

## Analogous

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



004164



313A63



4E3257

# Triad

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



313A63



5C311E



004634

# Complementary

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



313A63



635A31

# 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.



234421



313A63



4E3913

# Square

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



313A63



622B30



3B3F14



004749

# Rectangle

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



313A63



5A2D4B



3B3F14



0A462D



# Sweetspot

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



313A63



6C7080



31635A



343640



BFBFBF



404040



# Same Dimension

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



313A63



324080



413163



2C2C30



001470



002BF0



# Inverse Universe

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



63313A



803240



536331



302C2C



700014



F0002B



# Previews

## White Background



This preview shows how the Hex color 313A63 looks on a white background.

## Color Contrast Check

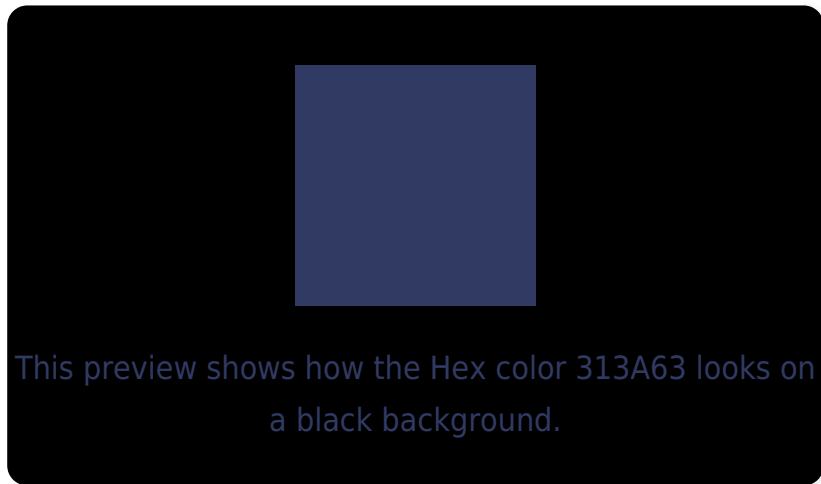
Large Text (above 18pt) WCAG AA ✓ Pass

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 313A63 Background



This preview shows how black text looks on a background with the Hex color 313A63.



This preview shows how white text looks on a background with the Hex color 313A63.

# 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**

313A63

**Protanopia**

2C3B64

**Deuteranopia**

253D62



**Tritanopia**  
284046

# Trichromacy



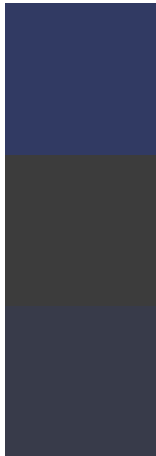
**Original Color**  
313A63

**Protanomaly**  
2E3B64

**Deuteranomaly**  
293C62

**Tritanomaly**  
2B3E51

# Monochromacy



**Original Color**  
313A63

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
383B4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 313A63 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 #313A63 looks like.

```
.text, #text, p{  
    color:#313A63  
}
```

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 #313A63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313A63
}
```

## Border

The CSS property to change the border of an element to Hex 313A63 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
#313A63 }
```

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

```
.border{ border-color:#313A63 }
```

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

Here you see how a box with a 4 pixel #313A63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313A63; -webkit-box-shadow:4px 4px  
4px 4px #313A63; box-shadow:4px 4px 4px  
4px #313A63 }
```

# Background

The CSS property to change the background color of an element to Hex 313A63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313A63 }
```

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

```
.background{ background-color:#313A63 }
```

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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