

# Converting Colors

Hex(313C62)

Have a look what the booklet for  
Hex(313C62) contains.

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# Color

Hex(313C62)

# Conversions

## Conversions Part 1

Format	Color
Hex	313C62
RGB	49, 60, 98
RGB Percent	19%, 24%, 38%
CMY	0.8078, 0.7647, 0.6157
CMYK	0.50, 0.39, 0.00, 0.62
HSL	227°, 33%, 29%
HSV	227°, 50%, 38%
XYZ	5.0871, 4.7665, 12.2072
YIQ	61.0430, -18.7540, 9.4860

# Conversions

## Conversions Part 2

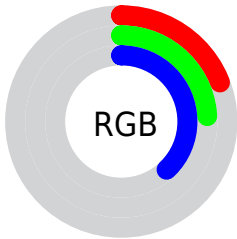
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 58, 98
Decimal	3226722
CIELab	26.06, 7.14, -23.92
CIELCh	26, 24.965, 286.618
Yxy	4.7665, 0.2306, 0.2161
Android (android.graphics.Color)	4281416802 (0xFF313C62)
YUV	61.0430, 18.2198, -10.5617
Hunter-Lab	21.8324, 3.3850, -17.8683

# Details

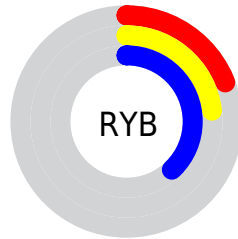
The Hex color **313C62** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **625731**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **626B95**, and **001233** is the 20% darker color. If you saturate the color by 10%, you get **273462**, and if you desaturate by 10%, it is **3B4462**.

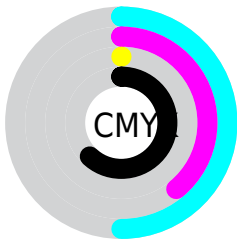
# Distribution



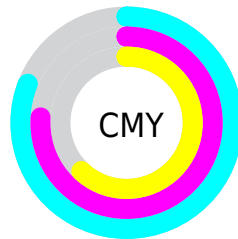
- Red (19%)
- Green (24%)
- Blue (38%)



- Red (19%)
- Yellow (23%)
- Blue (38%)



- Cyan (50%)
- Magenta (39%)
- Yellow (0%)
- Black (62%)



- Cyan (81%)
- Magenta (76%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 313C62 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 313C62 by changing the saturation by 10% instead.





313C62



313C62

FFFFFF



19264A



626B95



001233



7C84B0



00021E



969ECB



000000



B1B9E7



CDD5FF



EAF1FF



313C62



313C62



273462



3B4462

■ 1D2D62

■ 454B62

■ 142562

■ 4E5362

■ 0A1E62

■ 585A62

■ 001662

■ 626262

■ 6C6A62

■ 767162

■ 7F7962

■ 898062

# Harmonies

## Analogous

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



004262



313C62



4D3558

# Triad

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



313C62



5D3323



064734

# Complementary

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



313C62



625731

# 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.



294423



313C62



503A18

# Square

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



313C62



612E34



3F4018



004748

# Rectangle

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



313C62



58304D



3F4018



16462E



# Sweetspot

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



313C62



6C7180



316257



343740



BFBFBF



404040



# Same Dimension

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



313C62



334480



3E3162



2C2D30



001970



0036F0



# Inverse Universe

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



62313C



803344



556231



302C2D



700019



F00036



# Previews

## White Background



This preview shows how the Hex color 313C62 looks on a white background.

## Color Contrast Check

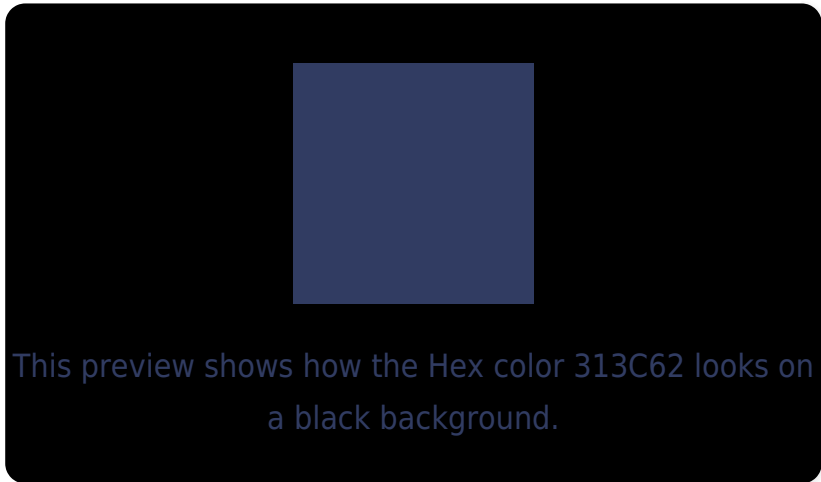
Large Text (above 18pt) WCAG AA ✓ Pass

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 313C62 Background



This preview shows how black text looks on a background with the Hex color 313C62.



This preview shows how white text looks on a background with the Hex color 313C62.

# 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**  
313C62

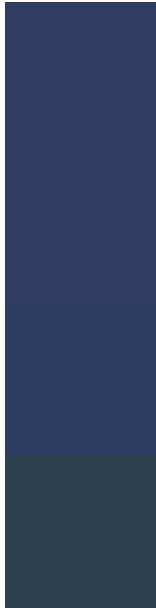
**Protanopia**  
2F3C62

**Deuteranopia**  
2A3E62



**Tritanopia**  
284247

# Trichromacy



**Original Color**  
313C62

**Protanomaly**  
303C62

**Deuteranomaly**  
2D3D62

**Tritanomaly**  
2B4051

# Monochromacy



**Original Color**  
313C62

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
393D4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 313C62 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 #313C62 looks like.

```
.text, #text, p{  
    color:#313C62  
}
```

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 #313C62 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313C62
}
```

## Border

The CSS property to change the border of an element to Hex 313C62 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
#313C62 }
```

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

```
.border{ border-color:#313C62 }
```

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

Here you see how a box with a 4 pixel #313C62 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313C62; -webkit-box-shadow:4px 4px  
4px 4px #313C62; box-shadow:4px 4px 4px  
4px #313C62 }
```

# Background

The CSS property to change the background color of an element to Hex 313C62 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313C62 }
```

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

```
.background{ background-color:#313C62 }
```

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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