

Converting Colors

Hex(313149)

Have a look what the booklet for
Hex(313149) contains.

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Color

Hex(313149)

Conversions

Conversions Part 1

Format	Color
Hex	313149
RGB	49, 49, 73
RGB Percent	19%, 19%, 29%
CMY	0.8078, 0.8078, 0.7137
CMYK	0.33, 0.33, 0.00, 0.71
HSL	240°, 20%, 24%
HSV	240°, 33%, 29%
XYZ	3.5675, 3.3306, 6.7582
YIQ	51.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

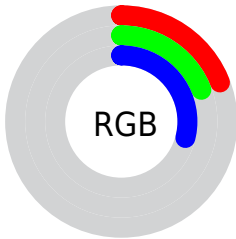
Format	Color
RYB	49, 49, 73
Decimal	3223881
CIELab	21.32, 6.54, -14.84
CIElCh	21, 16.215, 293.779
Yxy	3.3306, 0.2612, 0.2439
Android (android.graphics.Color)	4281413961 (0xFF313149)
YUV	51.7360, 10.4832, -2.3995
Hunter-Lab	18.2500, 2.9558, -9.1807

Details

The Hex color **313149** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **494931**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **605F7A**, and **05011E** is the 20% darker color. If you saturate the color by 10%, you get **2A2A49**, and if you desaturate by 10%, it is **383849**.

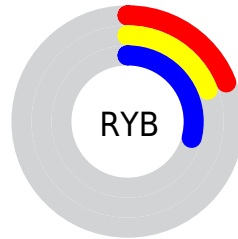
Distribution



 Red (19%)

 Green (19%)

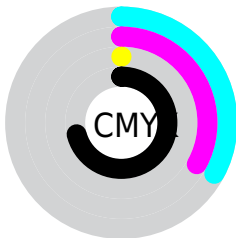
 Blue (29%)



 Red (19%)

 Yellow (19%)

 Blue (29%)

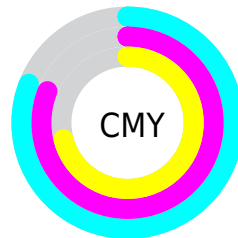


 Cyan (33%)

 Magenta (33%)

 Yellow (0%)

 Black (71%)



 Cyan (81%)

 Magenta (81%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 313149 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 313149 by changing the saturation by 10% instead.

■ 313149

■ 313149

FFFFFF

■ 1B1C32

■ 605F7A

■ 05011E

■ 797893

■ 000000

■ 9391AE

■ AEACCA

■ C9C7E6

■ E5E3FF

■ 313149

■ 313149

■ 2A2A49

■ 383849

■ 222249

■ 404049

■ 1B1B49

■ 474749

■ 141449

■ 4E4E49

■ 0D0D49

■ 565649

■ 050549

■ 5D5D49

■ 000049

■ 646449

■ 6B6B49

■ 737349

Harmonies

Analogous

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



1E354B



313149



402D41

Triad

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



313149



462D20



143930

Complementary

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



313149



494931

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.



233825



313149



3D321B

Square

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



313149



4A2A2A



31351D



05393C

Rectangle

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



313149



462B3A



31351D



19392C

Sweetspot

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



313149



55555E



314949



2B2B30



B0B0B0



303030

Same Dimension

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



313149



3A3A5E



3D3149



202024



000063



0000E3

Inverse Universe

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



493149



5E3A5E



3D4931



242024



630063



E300E3

Previews

White Background



This preview shows how the Hex color 313149 looks on a white background.

Color Contrast Check

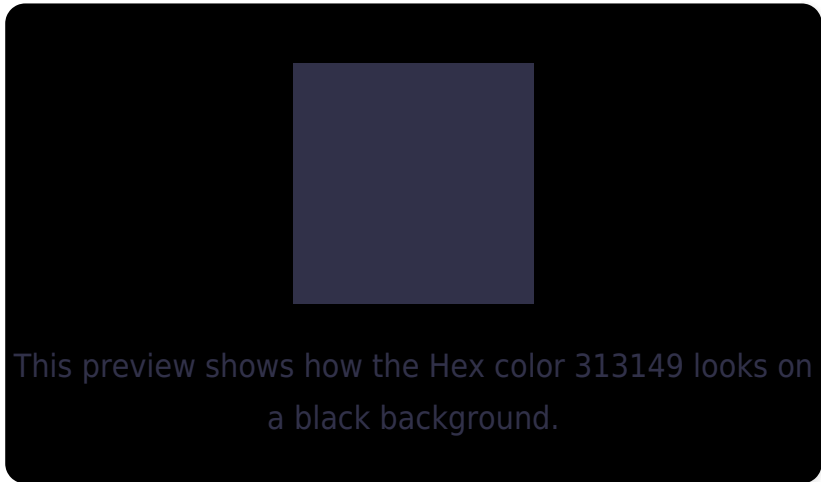
Large Text (above 18pt) WCAG AA ✓ Pass

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

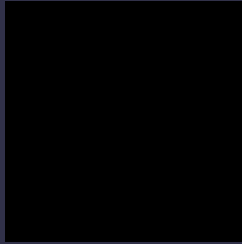
Any Text WCAG AA × Fail

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 313149 Background



This preview shows how black text looks on a background with the Hex color 313149.



This preview shows how white text looks on a background with the Hex color 313149.

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](#).

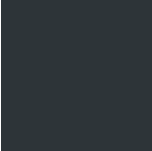
Dichromacy



Original Color
313149

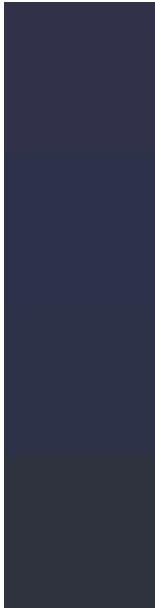
Protanopia
2B324A

Deuteranopia
2B3349



Tritanopia
2D3438

Trichromacy



Original Color
313149

Protanomaly
2D324A

Deuteranomaly
2D3249

Tritanomaly
2E333E

Monochromacy



Original Color
313149

Achromatopsia
343434

Achromatomaly
33333C

CSS Examples

Text

The CSS property to change the color of the text to Hex 313149 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 #313149 looks like.

```
.text, #text, p{  
    color:#313149  
}
```

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 #313149 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313149
}
```

Border

The CSS property to change the border of an element to Hex 313149 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".

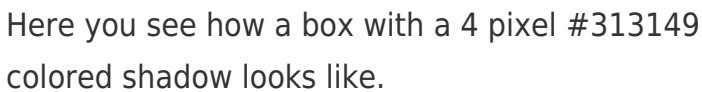
```
.border, #border, table{ border:4px solid
#313149 }
```

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

```
.border{ border-color:#313149 }
```

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

Here you see how a box with a 4 pixel #313149 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border on the top and left sides, and a thicker dark blue shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313149; -webkit-box-shadow:4px 4px  
4px 4px #313149; box-shadow:4px 4px 4px  
4px #313149 }
```

Background

The CSS property to change the background color of an element to Hex 313149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313149 }
```

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

```
.background{ background-color:#313149 }
```

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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