

Converting Colors

Hex(313D5A)

Have a look what the booklet for
Hex(313D5A) contains.

Hex(313D5A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(313D5A)

Conversions

Conversions Part 1

Format	Color
Hex	313D5A
RGB	49, 61, 90
RGB Percent	19%, 24%, 35%
CMY	0.8078, 0.7608, 0.6471
CMYK	0.46, 0.32, 0.00, 0.65
HSL	222°, 29%, 27%
HSV	222°, 46%, 35%
XYZ	4.7808, 4.7286, 10.3336
YIQ	60.7180, -16.4610, 6.4750

Conversions

Conversions Part 2

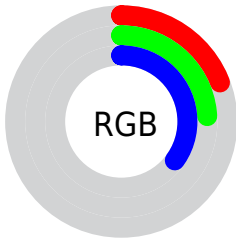
Format	Color
R_{YB}	49, 58, 90
Decimal	3226970
CIE Lab	25.95, 3.76, -18.90
CIE LCh	26, 19.276, 281.254
Yxy	4.7286, 0.2409, 0.2383
Android (android.graphics.Color)	4281417050 (0xFF313D5A)
YUV	60.7180, 14.4360, -10.2767
Hunter-Lab	21.7454, 1.1895, -12.9533

Details

The Hex color **313D5A** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5A4E31**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **616C8C**, and **02132C** is the 20% darker color. If you saturate the color by 10%, you get **28375A**, and if you desaturate by 10%, it is **3A435A**.

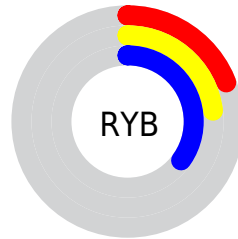
Distribution



Red (19%)

Green (24%)

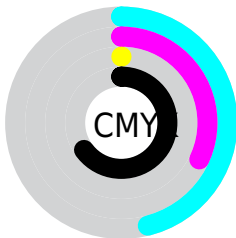
Blue (35%)



Red (19%)

Yellow (23%)

Blue (35%)

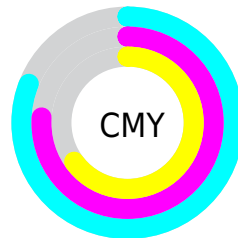


Cyan (46%)

Magenta (32%)

Yellow (0%)

Black (65%)



Cyan (81%)

Magenta (76%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Hex color 313D5A 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 313D5A by changing the saturation by 10% instead.

■ 313D5A

■ 313D5A

FFFFFF

■ 1A2742

■ 616C8C

■ 02132C

■ 7B85A7

■ 000117

■ 95A0C2

■ 000000

■ B0BADE

■ CCD6FA

■ E8F3FF

■ 313D5A

■ 313D5A

■ 28375A

■ 3A435A

■ 1F305A

■ 434A5A

■ 162A5A

■ 4C505A

■ 0D245A

■ 55565A

■ 041D5A

■ 5E5D5A

■ 001A5A

■ 67635A

■ 706A5A

■ 79705A

■ 82765A

Harmonies

Analogous

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



164259



313D5A



463853

Triad

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



313D5A



58352B



1F4534

Complementary

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



313D5A



5A4E31

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.



314227



313D5A



4F3922

Square

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



313D5A



5A3238



423E20



074543

Rectangle

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



313D5A



50344C



423E20



25442F

Sweetspot

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



313D5A



656A75



315A4E



31343B



BABABA



3B3B3B

Same Dimension

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



313D5A



354875



39315A



292B2E



00206E



0045ED

Inverse Universe

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



5A313D



753548



525A31



2E292B



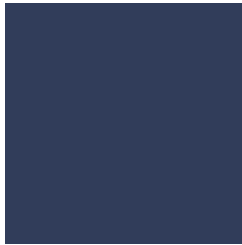
6E0020



ED0045

Previews

White Background



This preview shows how the Hex color 313D5A looks on a white background.

Color Contrast Check

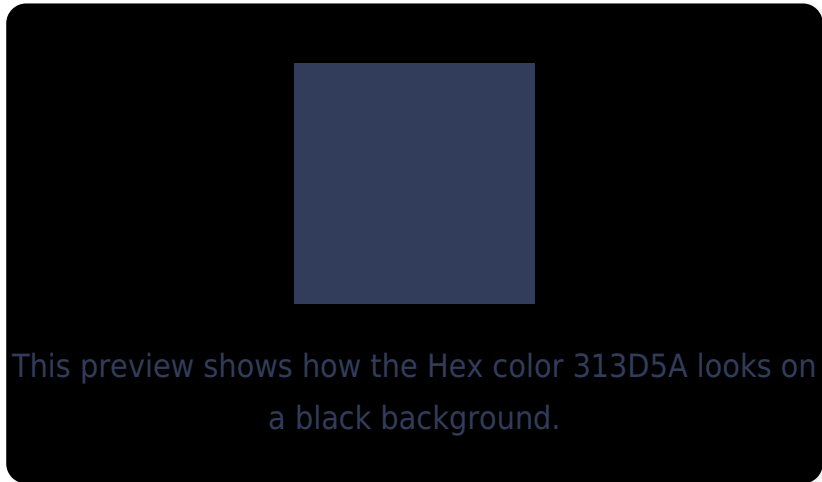
Large Text (above 18pt) WCAG AA ✓ Pass

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

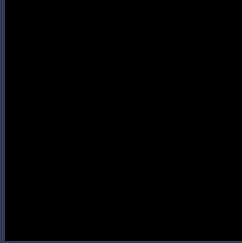
Any Text WCAG AA × Fail

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 313D5A Background



This preview shows how black text looks on a background with the Hex color 313D5A.

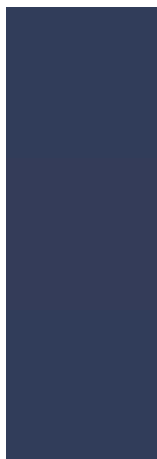


This preview shows how white text looks on a background with the Hex color 313D5A.

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

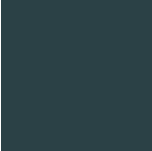
313D5A

Protanopia

343C59

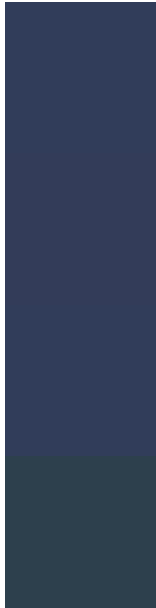
Deuteranopia

313D5A



Tritanopia
2B4146

Trichromacy



Original Color
313D5A

Protanomaly
333C59

Deuteranomaly
313D5A

Tritanomaly
2D404D

Monochromacy



Original Color
313D5A

Achromatopsia
3D3D3D

Achromatomaly
393D48

CSS Examples

Text

The CSS property to change the color of the text to Hex 313D5A 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 #313D5A looks like.

```
.text, #text, p{  
    color:#313D5A  
}
```

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 #313D5A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313D5A  
}
```

Border

The CSS property to change the border of an element to Hex 313D5A is called "border". The border property can be set on classes, ids or directly on the HTML element.

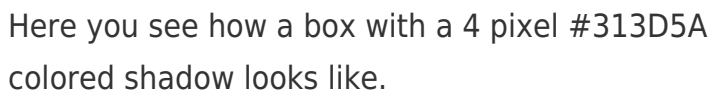
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#313D5A }
```

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

```
.border{ border-color:#313D5A }
```

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



Here you see how a box with a 4 pixel #313D5A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313D5A; -webkit-box-shadow:4px 4px  
4px 4px #313D5A; box-shadow:4px 4px 4px  
4px #313D5A }
```

Background

The CSS property to change the background color of an element to Hex 313D5A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313D5A }
```

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

```
.background{ background-color:#313D5A }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor