

Converting Colors

Hex(312455)

Have a look what the booklet for
Hex(312455) contains.

Hex(312455)	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(312455)

Conversions

Conversions Part 1

Format	Color
Hex	312455
RGB	49, 36, 85
RGB Percent	19%, 14%, 33%
CMY	0.8078, 0.8588, 0.6667
CMYK	0.42, 0.58, 0.00, 0.67
HSL	256°, 40%, 24%
HSV	256°, 58%, 33%
XYZ	3.5372, 2.5706, 8.9041
YIQ	45.4730, -7.9810, 17.9950

Conversions

Conversions Part 2

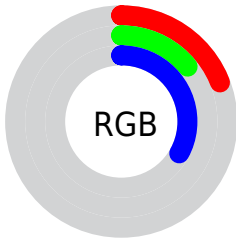
Format	Color
R_{YB}	49, 36, 85
Decimal	3220565
CIE _{Lab}	18.23, 19.37, -27.78
CIE _{LCh}	18, 33.870, 304.881
Yxy	2.5706, 0.2356, 0.1712
Android (android.graphics.Color)	4281410645 (0xFF312455)
YUV	45.4730, 19.4868, 3.0932
Hunter-Lab	16.0331, 11.3225, -21.7039

Details

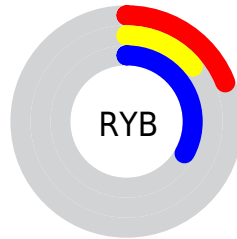
The Hex color **312455** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **485524**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **625187**, and **000028** is the 20% darker color. If you saturate the color by 10%, you get **2B1C55**, and if you desaturate by 10%, it is **372D55**.

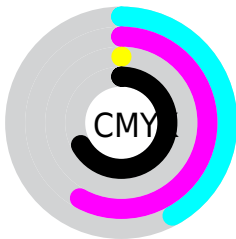
Distribution



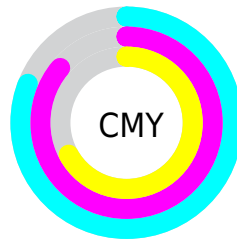
- Red (19%)
- Green (14%)
- Blue (33%)



- Red (19%)
- Yellow (14%)
- Blue (33%)



- Cyan (42%)
- Magenta (58%)
- Yellow (0%)
- Black (67%)



- Cyan (81%)
- Magenta (86%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Hex color 312455 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 312455 by changing the saturation by 10% instead.

■ 312455

■ 312455

FFFFFF

■ 19103D

■ 625187

■ 000028

■ 7B69A2

■ 000111

■ 9682BD

■ 000000

■ B19DD9

■ CDB8F5

■ E9D3FF

■ FFF0FF

■ 312455

■ 312455

■ 2B1C55

■ 372D55

■ 251355

■ 3D3555

■ 1E0A55

■ 443D55

■ 180255

■ 4A4655

■ 170055

■ 504E55

■ 565755

■ 5D5F55

■ 636855

■ 697155

Harmonies

Analogous

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



002E5E



312455



4C1742

Triad

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



312455



482300



003730

Complementary

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



312455



485524

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.



003616



312455



352D00

Square

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



312455



541812



1B3300



003748

Rectangle

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



312455



551132



1B3300



003727

Sweetspot

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



312455



605B6E



244955



302D38



B8B8B8



383838

Same Dimension

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



312455



36226E



492455



28272B



1C006B



3E00EB

Inverse Universe

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



552448



6E225A



305524



2B272A



6B004F



EB00AC

Previews

White Background



This preview shows how the Hex color 312455 looks on a white background.

Color Contrast Check

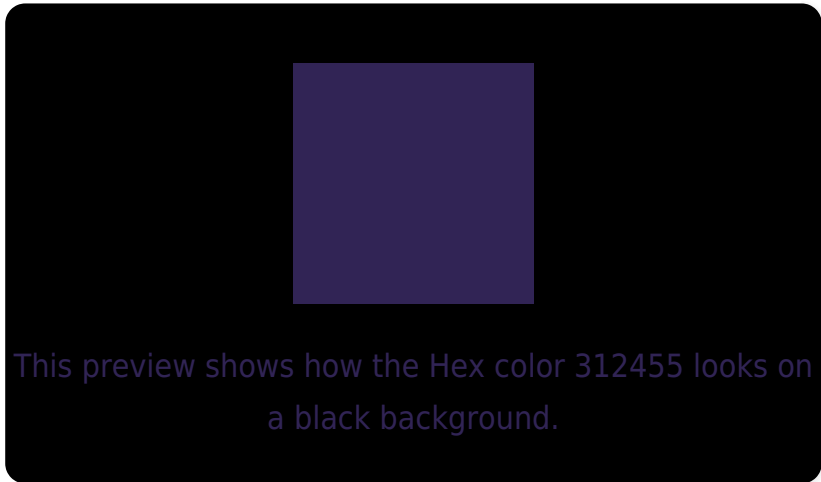
Large Text (above 18pt) WCAG AA ✓ Pass

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

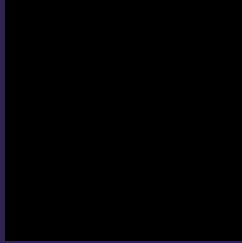
Any Text WCAG AA × Fail

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 312455 Background



This preview shows how black text looks on a background with the Hex color 312455.



This preview shows how white text looks on a background with the Hex color 312455.

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
312455

Protanopia
002B5C

Deuteranopia
002E51



Tritanopia
282E31

Trichromacy



Original Color
312455

Protanomaly
122859

Deuteranomaly
122A52

Tritanomaly
2B2A3E

Monochromacy



Original Color
312455

Achromatopsia
2D2D2D

Achromatomaly
2E2A3C

CSS Examples

Text

The CSS property to change the color of the text to Hex 312455 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 #312455 looks like.

```
.text, #text, p{  
    color:#312455  
}
```

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 #312455 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #312455  
}
```

Border

The CSS property to change the border of an element to Hex 312455 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  
#312455 }
```

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

```
.border{ border-color:#312455 }
```

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

Here you see how a box with a 4 pixel #312455 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #312455; -webkit-box-shadow:4px 4px  
4px 4px #312455; box-shadow:4px 4px 4px  
4px #312455 }
```

Background

The CSS property to change the background color of an element to Hex 312455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#312455 }
```

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

```
.background{ background-color:#312455 }
```

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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