

Converting Colors

Hex(00314D)

Have a look what the booklet for
Hex(00314D) contains.

Hex(00314D)	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(00314D)

Conversions

Conversions Part 1

Format	Color
Hex	00314D
RGB	0, 49, 77
RGB Percent	0%, 19%, 30%
CMY	1.0000, 0.8078, 0.6980
CMYK	1.00, 0.36, 0.00, 0.70
HSL	202°, 100%, 15%
HSV	202°, 100%, 30%
XYZ	2.4379, 2.7324, 7.4201
YIQ	37.5410, -38.1920, -1.6800

Conversions

Conversions Part 2

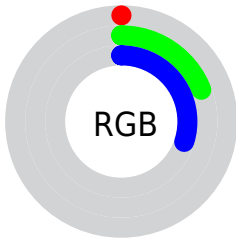
Format	Color
RYB	0, 30, 77
Decimal	12621
CIELab	18.94, -3.14, -21.45
CIELCh	19, 21.682, 261.665
Yxy	2.7324, 0.1936, 0.2170
Android (android.graphics.Color)	4278202701 (0xFF00314D)
YUV	37.5410, 19.4533, -32.9235
Hunter-Lab	16.5301, -2.6025, -15.0432

Details

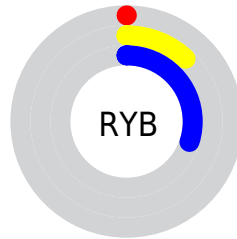
The Hex color **00314D** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **4D1C00**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **3C5F7E**, and **000221** is the 20% darker color. If you saturate the color by 10%, you get **00314D**, and if you desaturate by 10%, it is **08344D**.

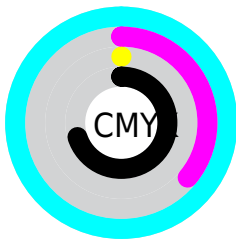
Distribution



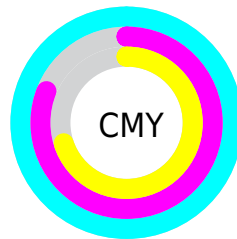
- Red (0%)
- Green (19%)
- Blue (30%)



- Red (0%)
- Yellow (12%)
- Blue (30%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (70%)



- Cyan (100%)
- Magenta (81%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00314D 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 00314D by changing the saturation by 10% instead.

00314D

00314D

FAFFFF

001C36

3C5F7E

000221

557898

000006

6F91B3

000000

8AACCF

A5C7EB

C1E3FF

DDFFFF

00314D

■ 08344D

■ 0F374D

■ 17394D

■ 1F3C4D

■ 273F4D

■ 2E424D

■ 36454D

■ 3E474D

■ 454A4D

Harmonies

Analogous

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



003446



00314D



282C4B

Triad

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



00314D



4B2123



19341A

Complementary

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



00314D



4D1C00

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.



2C310F



00314D



462616

Square

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



00314D



492133



3B2C0E



003629

Rectangle

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



00314D



372746



3B2C0E



203316

Sweetspot

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



00314D



465963



004D1B



212C33



B3B3B3



333333

Same Dimension

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



00314D



003F63



000C4D



222526



004166



0092E6

Inverse Universe

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



4D0031



63003F



4D4100



262225



660041



E60092

Previews

White Background



This preview shows how the Hex color 00314D looks on a white background.

Color Contrast Check

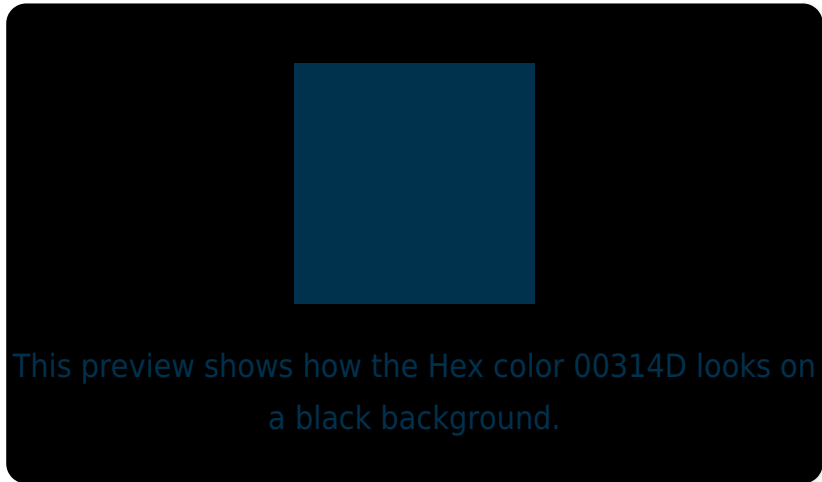
Large Text (above 18pt) WCAG AA ✓ Pass

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

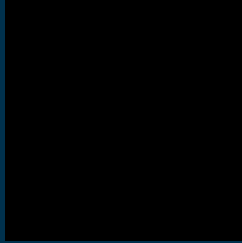
Any Text WCAG AA × Fail

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 00314D Background



This preview shows how black text looks on a background with the Hex color 00314D.



This preview shows how white text looks on a background with the Hex color 00314D.

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
00314D

Protanopia
242E4A

Deuteranopia
1B2F4D

Trichromacy



Original Color
00314D

Protanomaly
172F4B

Deuteranomaly
11304D

Tritanomaly
003340

Monochromacy



Original Color
00314D

Achromatopsia
262626

Achromatomaly
182A34

CSS Examples

Text

The CSS property to change the color of the text to Hex 00314D 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 #00314D looks like.

```
.text, #text, p{  
    color:#00314D  
}
```

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 #00314D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00314D
}
```

Border

The CSS property to change the border of an element to Hex 00314D 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
#00314D }
```

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

```
.border{ border-color:#00314D }
```

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

Here you see how a box with a 4 pixel #00314D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00314D; -webkit-box-shadow:4px 4px  
4px 4px #00314D; box-shadow:4px 4px 4px  
4px #00314D }
```

Background

The CSS property to change the background color of an element to Hex 00314D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00314D }
```

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

```
.background{ background-color:#00314D }
```

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