

# Converting Colors

Hex(002C40)

Have a look what the booklet for  
Hex(002C40) contains.

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# Color

**Hex(002C40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002C40
RGB	0, 44, 64
RGB Percent	0%, 17%, 25%
CMY	1.0000, 0.8275, 0.7490
CMYK	1.00, 0.31, 0.00, 0.75
HSL	199°, 100%, 13%
HSV	199°, 100%, 25%
XYZ	1.8261, 2.1715, 5.1734
YIQ	33.1240, -32.6440, -3.1080

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 26, 64
Decimal	11328
CIELab	16.36, -5.58, -16.64
CIELCh	16, 17.551, 251.465
Yxy	2.1715, 0.1991, 0.2368
Android (android.graphics.Color)	4278201408 (0xFF002C40)
YUV	33.1240, 15.2219, -29.0497
Hunter-Lab	14.7361, -3.6685, -10.4996

# Details

The Hex color **002C40** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **401400**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **375970**, and **000115** is the 20% darker color. If you saturate the color by 10%, you get **002C40**, and if you desaturate by 10%, it is **062E40**.

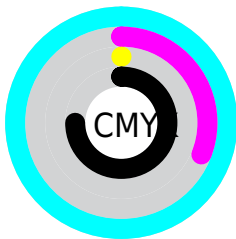
# Distribution



- Red (0%)
- Green (17%)
- Blue (25%)



- Red (0%)
- Yellow (10%)
- Blue (25%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (75%)



- Cyan (100%)
- Magenta (83%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002C40 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 002C40 by changing the saturation by 10% instead.



 002C40

 002C40

 F3FFFF

 00182A

 375970

 000115

 507289

 000000

 6A8BA4

 84A6BF

 9FC1DB

 BADD7

 D6F9FF

 002C40

■ 062E40

■ 0D3040

■ 133240

■ 1A3440

■ 203640

■ 263840

■ 2D3A40

■ 333C40

■ 3A3E40

# Harmonies

## Analogous

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



002E39



002C40



1D2841

# Triad

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



002C40



401E24



1E2D15

# Complementary

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



002C40



401400

# 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.



2C290F



002C40



3E2119

# Square

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



002C40



3C1F31



372511



0C2E20

# Rectangle

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



002C40



2A253E



372511



232C13



# Sweetspot

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



002C40



3B4C54



004013



1C262B



ABABAB



2B2B2B



# Same Dimension

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



002C40



003A54



000D40



1E2021



004361



009AE0



# Inverse Universe

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



40002C



54003A



403300



211E20



610043



E0009A



# Previews

## White Background



This preview shows how the Hex color 002C40 looks on a white background.

## Color Contrast Check

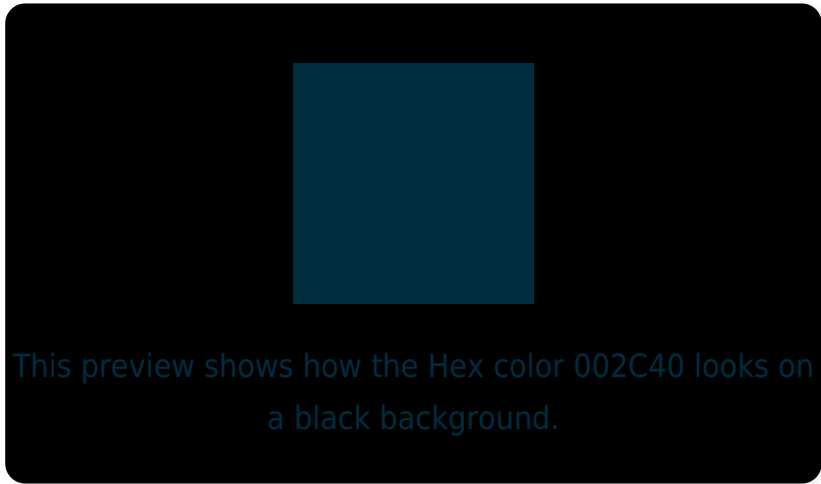
Large Text (above 18pt) WCAG AA ✓ Pass

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

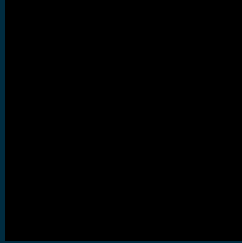
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 002C40 Background



This preview shows how black text looks on a background with the Hex color 002C40.



This preview shows how white text looks on a background with the Hex color 002C40.

# 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**  
002C40

**Protanopia**  
22293D

**Deuteranopia**  
1D2941



# Trichromacy



**Original Color**  
002C40

**Protanomaly**  
162A3E

**Deuteranomaly**  
122A41

**Tritanomaly**  
002D36

# Monochromacy



**Original Color**  
002C40

**Achromatopsia**  
212121

**Achromatomaly**  
15252C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002C40 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 #002C40 looks like.

```
.text, #text, p{  
    color:#002C40  
}
```

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 #002C40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002C40
}
```

## Border

The CSS property to change the border of an element to Hex 002C40 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
#002C40 }
```

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

```
.border{ border-color:#002C40 }
```

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

Here you see how a box with a 4 pixel #002C40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002C40; -webkit-box-shadow:4px 4px  
4px 4px #002C40; box-shadow:4px 4px 4px  
4px #002C40 }
```

# Background

The CSS property to change the background color of an element to Hex 002C40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002C40 }
```

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

```
.background{ background-color:#002C40 }
```

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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