

# Converting Colors

Hex(002F47)

Have a look what the booklet for  
Hex(002F47) contains.

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# Color

**Hex(002F47)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002F47
RGB	0, 47, 71
RGB Percent	0%, 18%, 28%
CMY	1.0000, 0.8157, 0.7216
CMYK	1.00, 0.34, 0.00, 0.72
HSL	200°, 100%, 14%
HSV	200°, 100%, 28%
XYZ	2.1538, 2.4880, 6.3279
YIQ	35.6830, -35.7160, -2.5000

# Conversions

## Conversions Part 2

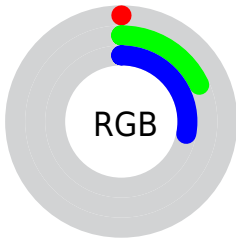
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 28, 71</a>
Decimal	<a href="#">12103</a>
CIELab	<a href="#">17.86, -4.47, -19.08</a>
CIELCh	<a href="#">18, 19.601, 256.803</a>
Yxy	<a href="#">2.4880, 0.1963, 0.2268</a>
Android (android.graphics.Color)	<a href="#">4278202183 (0xFF002F47)</a>
YUV	<a href="#">35.6830, 17.4113, -31.2940</a>
Hunter-Lab	<a href="#">15.7733, -3.2290, -12.7447</a>

# Details

The Hex color **002F47** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **471800**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **3A5D78**, and **00011C** is the 20% darker color. If you saturate the color by 10%, you get **002F47**, and if you desaturate by 10%, it is **073147**.

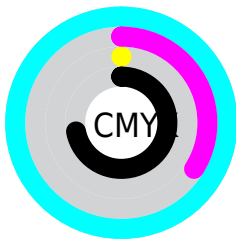
# Distribution



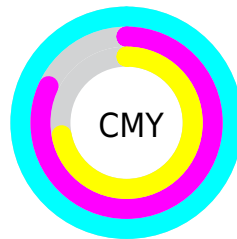
- Red (0%)
- Green (18%)
- Blue (28%)



- Red (0%)
- Yellow (11%)
- Blue (28%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (72%)



- Cyan (100%)
- Magenta (82%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002F47 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 002F47 by changing the saturation by 10% instead.



 002F47

 002F47

 F7FFFF

 001A30

 3A5D78

 00011C

 537591

 000000

 6D8FAC

 87A9C7

 A2C5E3

 BEE0FF

 DAFDFF

 002F47

■ 073147

■ 0E3447

■ 153647

■ 1C3947

■ 243B47

■ 2B3D47

■ 324047

■ 394247

■ 404547

# Harmonies

## Analogous

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



003240



002F47



232A47

# Triad

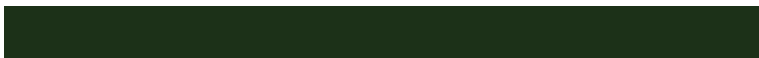
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



002F47



462024



1C3118

# Complementary

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



002F47



471800

# 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.



2C2D10



002F47



432418

# Square

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



002F47



432133



392910



053325

# Rectangle

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



002F47



312742



392910



223014



# Sweetspot

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



002F47



40525C



004718



1D282E



ADADAD



2E2E2E



# Same Dimension

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



002F47



003D5C



000C47



202224



004263



0096E3



# Inverse Universe

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



47002F



5C003D



473B00



242022



630042



E30096



# Previews

## White Background



This preview shows how the Hex color 002F47 looks on a white background.

## Color Contrast Check

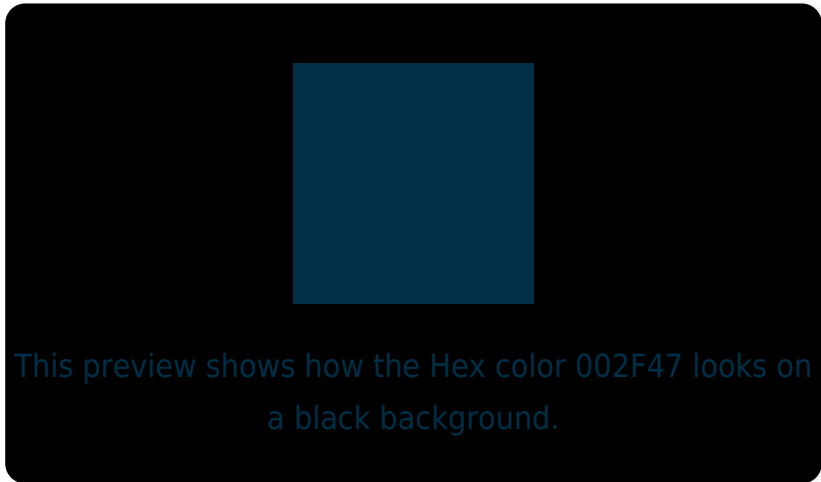
Large Text (above 18pt) WCAG AA ✓ Pass

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

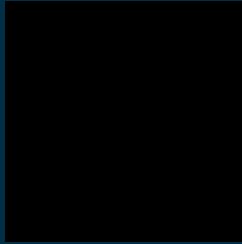
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002F47 Background



This preview shows how black text looks on a background with the Hex color 002F47.



This preview shows how white text looks on a background with the Hex color 002F47.

# 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**  
002F47

**Protanopia**  
242C44

**Deuteranopia**  
1C2D48



# Trichromacy



**Original Color**  
002F47

**Protanomaly**  
172D45

**Deuteranomaly**  
122E48

**Tritanomaly**  
00303C

# Monochromacy



**Original Color**  
002F47

**Achromatopsia**  
242424

**Achromatomaly**  
172831

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002F47 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 #002F47 looks like.

```
.text, #text, p{  
    color:#002F47  
}
```

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 #002F47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002F47
}
```

## Border

The CSS property to change the border of an element to Hex 002F47 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
#002F47 }
```

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

```
.border{ border-color:#002F47 }
```

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

Here you see how a box with a 4 pixel #002F47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002F47; -webkit-box-shadow:4px 4px  
4px 4px #002F47; box-shadow:4px 4px 4px  
4px #002F47 }
```

# Background

The CSS property to change the background color of an element to Hex 002F47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002F47 }
```

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

```
.background{ background-color:#002F47 }
```

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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