

# Converting Colors

Hex(002F50)

Have a look what the booklet for  
Hex(002F50) contains.

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# Color

**Hex(002F50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002F50
RGB	0, 47, 80
RGB Percent	0%, 18%, 31%
CMY	1.0000, 0.8157, 0.6863
CMYK	1.00, 0.41, 0.00, 0.69
HSL	205°, 100%, 16%
HSV	205°, 100%, 31%
XYZ	2.4645, 2.6122, 7.9637
YIQ	36.7090, -38.6050, 0.2990

# Conversions

## Conversions Part 2

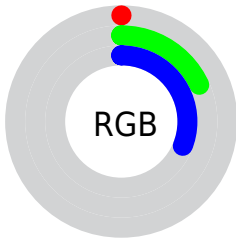
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 30, 80</a>
Decimal	<a href="#">12112</a>
CIELab	<a href="#">18.42, -0.37, -24.30</a>
CIELCh	<a href="#">18, 24.300, 269.136</a>
Yxy	<a href="#">2.6122, 0.1890, 0.2003</a>
Android (android.graphics.Color)	<a href="#">4278202192 (0xFF002F50)</a>
YUV	<a href="#">36.7090, 21.3425, -32.1938</a>
Hunter-Lab	<a href="#">16.1624, -1.0659, -17.9005</a>

# Details

The Hex color **002F50** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **502100**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **3D5D82**, and **000223** is the 20% darker color. If you saturate the color by 10%, you get **002F50**, and if you desaturate by 10%, it is **083250**.

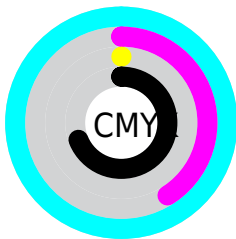
# Distribution



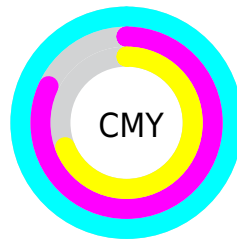
- Red (0%)
- Green (18%)
- Blue (31%)



- Red (0%)
- Yellow (12%)
- Blue (31%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (69%)



- Cyan (100%)
- Magenta (82%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 002F50 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 002F50 by changing the saturation by 10% instead.



 002F50

 002F50

 FCFFFF

 001B39


 3D5D82

 000223

 56759C

 00000B

 708FB7

 000000

 8BA9D2

 A6C4EF

 C2E0FF

 DFFDFF

 002F50

■ 083250

■ 103650

■ 183950

■ 203C50

■ 284050

■ 304350

■ 384650

■ 404950

■ 484D50

# Harmonies

## Analogous

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



00334B



002F50



2C284C

# Triad

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



002F50



4C1F1D



0D341A

# Complementary

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



002F50



502100

# 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.



25310C



002F50



44250E

# Square

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



002F50



4C1D2E



372C05



00352C

# Rectangle

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



002F50



3C2444



372C05



173315



# Sweetspot

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



002F50



495C69



005020



222E36



B5B5B5



363636



# Same Dimension

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



002F50



003D69



000850



252729



0088E8

# Inverse Universe

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



50002F



69003D



504800



292527



E80088

# Previews

## White Background



This preview shows how the Hex color 002F50 looks on a white background.

## Color Contrast Check

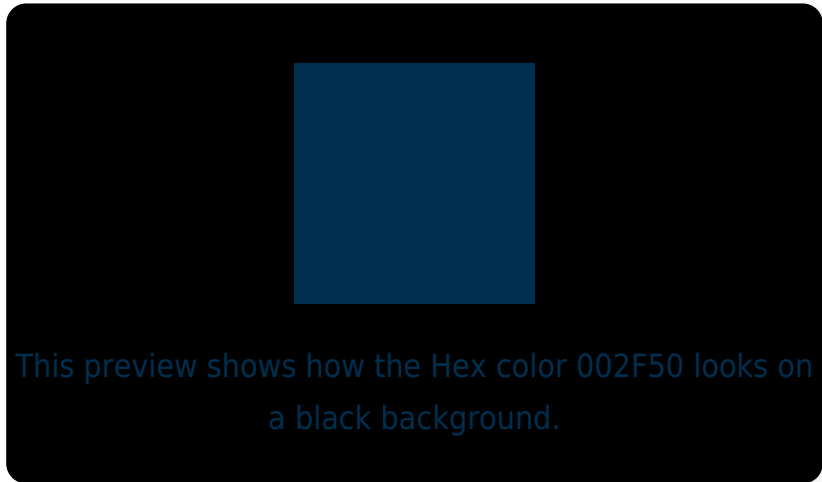
Large Text (above 18pt) WCAG AA ✓ Pass

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

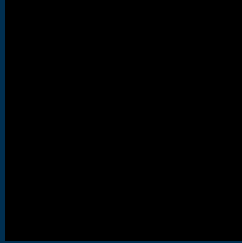
Any Text WCAG AA × Fail

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 002F50 Background



This preview shows how black text looks on a background with the Hex color 002F50.



This preview shows how white text looks on a background with the Hex color 002F50.

# 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**  
002F50

**Protanopia**  
1F2D4E

**Deuteranopia**  
102E50





**Tritanopia**  
003336

# Trichromacy



**Original Color**  
002F50

**Protanomaly**  
142E4F

**Deuteranomaly**  
0A2E50

**Tritanomaly**  
00323F

# Monochromacy



**Original Color**  
002F50

**Achromatopsia**  
252525

**Achromatomaly**  
182935

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002F50 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 #002F50 looks like.

```
.text, #text, p{  
    color:#002F50  
}
```

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 #002F50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002F50
}
```

## Border

The CSS property to change the border of an element to Hex 002F50 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
#002F50 }
```

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

```
.border{ border-color:#002F50 }
```

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

Here you see how a box with a 4 pixel #002F50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002F50; -webkit-box-shadow:4px 4px  
4px 4px #002F50; box-shadow:4px 4px 4px  
4px #002F50 }
```

# Background

The CSS property to change the background color of an element to Hex 002F50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002F50 }
```

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

```
.background{ background-color:#002F50 }
```

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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