

# Converting Colors

Hex(002F6D)

Have a look what the booklet for  
Hex(002F6D) contains.

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# Color

**Hex(002F6D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002F6D
RGB	0, 47, 109
RGB Percent	0%, 18%, 43%
CMY	1.0000, 0.8157, 0.5725
CMYK	1.00, 0.57, 0.00, 0.57
HSL	214°, 100%, 21%
HSV	214°, 100%, 43%
XYZ	3.7768, 3.1372, 14.8745
YIQ	40.0150, -47.9140, 9.3180

# Conversions

## Conversions Part 2

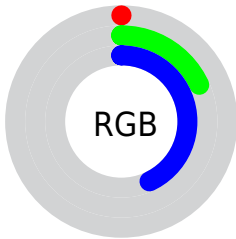
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 33, 109
Decimal	12141
CIELab	20.59, 12.93, -39.93
CIELCh	21, 41.968, 287.940
Yxy	3.1372, 0.1733, 0.1440
Android (android.graphics.Color)	4278202221 (0xFF002F6D)
YUV	40.0150, 34.0096, -35.0932
Hunter-Lab	17.7120, 7.0665, -37.3930

# Details

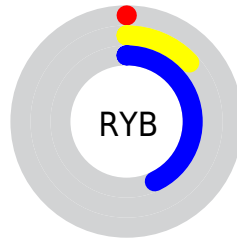
The Hex color **002F6D** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **6D3E00**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **475CA1**, and **00003D** is the 20% darker color. If you saturate the color by 10%, you get **002F6D**, and if you desaturate by 10%, it is **0B356D**.

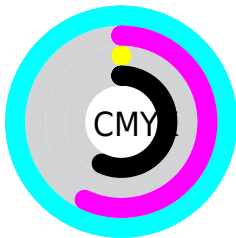
# Distribution



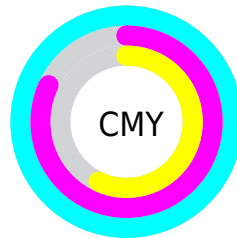
- Red (0%)
- Green (18%)
- Blue (43%)



- Red (0%)
- Yellow (13%)
- Blue (43%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (82%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002F6D 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 002F6D by changing the saturation by 10% instead.



002F6D

002F6D

FFFFFF

001B54

475CA1

00003D

6275BC

000326

7E8ED8

00010F

99A9F5

000000

B5C4FF

D2E0FF

EFFCFF

002F6D

■ 0B356D

■ 163B6D

■ 21426D

■ 2C486D

■ 374E6D

■ 41546D

■ 4C5A6D

■ 57616D

■ 62676D

# Harmonies

## Analogous

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



00396E



002F6D



491F5B

# Triad

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



002F6D



5D1C00



003E24

# Complementary

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



002F6D



6D3E00

# 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.



003B00



002F6D



482C00

# Square

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



002F6D



660921



2D3600



003F44

# Rectangle

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



002F6D



5B1149



2D3600



003D19



# Sweetspot

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



002F6D



64768F



006D3E



2E3947



C7C7C7



474747



# Same Dimension

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



002F6D



003E8F



07006D



303336



003375



006AF5



# Inverse Universe

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



6D002F



8F003E



666D00



363033



750033



F5006A



# Previews

## White Background



This preview shows how the Hex color 002F6D looks on a white background.

## Color Contrast Check

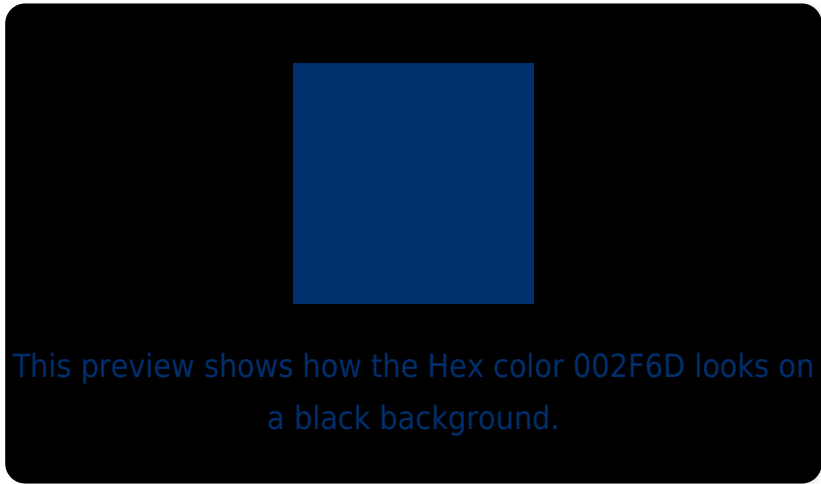
Large Text (above 18pt) WCAG AA ✓ Pass

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

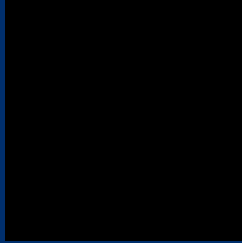
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002F6D Background



This preview shows how black text looks on a background with the Hex color 002F6D.



This preview shows how white text looks on a background with the Hex color 002F6D.

# 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**  
002F6D

**Protanopia**  
003167

**Deuteranopia**  
003459



**Tritanopia**  
00383B

# Trichromacy



**Original Color**  
002F6D

**Protanomaly**  
003069

**Deuteranomaly**  
003260

**Tritanomaly**  
00354D

# Monochromacy



**Original Color**  
002F6D

**Achromatopsia**  
282828

**Achromatomaly**  
192B41

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002F6D 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 #002F6D looks like.

```
.text, #text, p{  
    color:#002F6D  
}
```

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 #002F6D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002F6D
}
```

## Border

The CSS property to change the border of an element to Hex 002F6D 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
#002F6D }
```

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

```
.border{ border-color:#002F6D }
```

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

Here you see how a box with a 4 pixel #002F6D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002F6D; -webkit-box-shadow:4px 4px  
4px 4px #002F6D; box-shadow:4px 4px 4px  
4px #002F6D }
```

# Background

The CSS property to change the background color of an element to Hex 002F6D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002F6D }
```

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

```
.background{ background-color:#002F6D }
```

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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