

# Converting Colors

Hex(002D61)

Have a look what the booklet for  
Hex(002D61) contains.

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# Color

**Hex(002D61)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002D61
RGB	0, 45, 97
RGB Percent	0%, 18%, 38%
CMY	1.0000, 0.8235, 0.6196
CMYK	1.00, 0.54, 0.00, 0.62
HSL	212°, 100%, 19%
HSV	212°, 100%, 38%
XYZ	3.0961, 2.7398, 11.6749
YIQ	37.4730, -43.5120, 6.6320

# Conversions

## Conversions Part 2

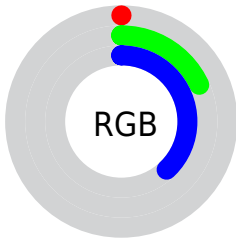
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 31, 97
Decimal	11617
CIELab	18.97, 8.95, -34.72
CIELCh	19, 35.857, 284.453
Yxy	2.7398, 0.1768, 0.1565
Android (android.graphics.Color)	4278201697 (0xFF002D61)
YUV	37.4730, 29.3468, -32.8638
Hunter-Lab	16.5525, 4.4207, -30.2322

# Details

The Hex color **002D61** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **613400**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **435A94**, and **000132** is the 20% darker color. If you saturate the color by 10%, you get **002D61**, and if you desaturate by 10%, it is **0A3261**.

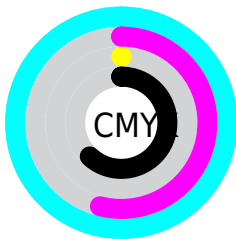
# Distribution



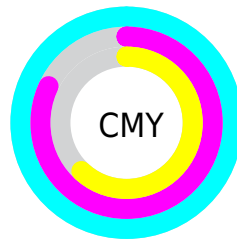
- Red (0%)
- Green (18%)
- Blue (38%)



- Red (0%)
- Yellow (12%)
- Blue (38%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (62%)



- Cyan (100%)
- Magenta (82%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002D61 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 002D61 by changing the saturation by 10% instead.



■ 002D61

■ 002D61

FFFFFF

■ 001949

■ 435A94

■ 000132

■ 5D72AF

■ 00021C

■ 788CCB

■ 000000

■ 93A6E7

■ AFC1FF

■ CBDDFF

■ E8F9FF

■ 002D61

■ 0A3261

■ 133761

■ 1D3D61

■ 274261

■ 314761

■ 3A4C61

■ 445161

■ 4E5761

■ 575C61

# Harmonies

## Analogous

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



003561



002D61



3E2154

# Triad

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



002D61



551B08



00391F

# Complementary

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



002D61



613400

# 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.



0E3602



002D61



452800

# Square

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



002D61



5C1023



2F3100



003A3A

# Rectangle

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



002D61



501745



2F3100



003816



# Sweetspot

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



002D61



57697D



006134



293340



BFBFBF



404040



# Same Dimension

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



002D61



003A7D



030061



2C2E30



003470



006FF0



# Inverse Universe

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



61002D



7D003A



5E6100



302C2E



700034



F0006F



# Previews

## White Background



This preview shows how the Hex color 002D61 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

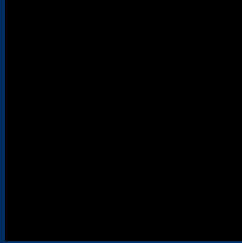
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002D61 Background



This preview shows how black text looks on a background with the Hex color 002D61.



This preview shows how white text looks on a background with the Hex color 002D61.

# 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**  
002D61

**Protanopia**  
002D60

**Deuteranopia**  
003053



# Trichromacy



**Original Color**  
002D61

**Protanomaly**  
002D60

**Deuteranomaly**  
002F58

**Tritanomaly**  
003146

# Monochromacy



**Original Color**  
002D61

**Achromatopsia**  
252525

**Achromatomaly**  
18283B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002D61 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 #002D61 looks like.

```
.text, #text, p{  
    color:#002D61  
}
```

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 #002D61 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002D61
}
```

## Border

The CSS property to change the border of an element to Hex 002D61 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
#002D61 }
```

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

```
.border{ border-color:#002D61 }
```

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

Here you see how a box with a 4 pixel #002D61 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002D61; -webkit-box-shadow:4px 4px  
4px 4px #002D61; box-shadow:4px 4px 4px  
4px #002D61 }
```

# Background

The CSS property to change the background color of an element to Hex 002D61 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002D61 }
```

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

```
.background{ background-color:#002D61 }
```

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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