

# Converting Colors

Hex(002733)

Have a look what the booklet for  
Hex(002733) contains.

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# Color

**Hex(002733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002733
RGB	0, 39, 51
RGB Percent	0%, 15%, 20%
CMY	1.0000, 0.8471, 0.8000
CMYK	1.00, 0.24, 0.00, 0.80
HSL	194°, 100%, 10%
HSV	194°, 100%, 20%
XYZ	1.3231, 1.6901, 3.3884
YIQ	28.7070, -27.0960, -4.5360

# Conversions

## Conversions Part 2

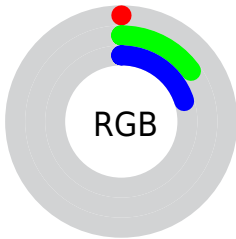
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 22, 51
Decimal	10035
CIELab	13.77, -8.04, -11.58
CIELCh	14, 14.098, 235.251
Yxy	1.6901, 0.2067, 0.2640
Android (android.graphics.Color)	4278200115 (0xFF002733)
YUV	28.7070, 10.9904, -25.1760
Hunter-Lab	13.0002, -4.5840, -6.3535

# Details

The Hex color **002733** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **330C00**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **335461**, and **000002** is the 20% darker color. If you saturate the color by 10%, you get **002733**, and if you desaturate by 10%, it is **052833**.

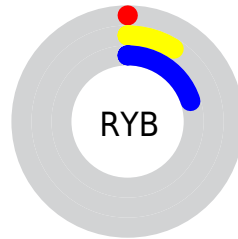
# Distribution



Red (0%)

Green (15%)

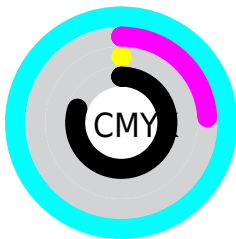
Blue (20%)



Red (0%)

Yellow (9%)

Blue (20%)

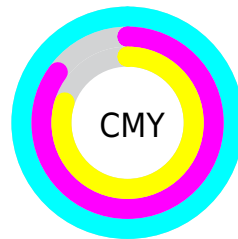


Cyan (100%)

Magenta (24%)

Yellow (0%)

Black (80%)



Cyan (100%)

Magenta (85%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002733 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 002733 by changing the saturation by 10% instead.



002733

002733

ECFFFF

00131E

335461

000002

4B6C7A

000000

648594

7EA0AF

98BBCA

B4D6E6

CFF3FF

002733

■ 052833

■ 0A2933

■ 0F2B33

■ 142C33

■ 1A2D33

■ 1F2E33

■ 242F33

■ 293133

■ 2E3233

# Harmonies

## Analogous

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



00282B



002733



112537

# Triad

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



002733



351B25



212511

# Complementary

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



002733



330C00

# 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.



2B220F



002733



361C1B

# Square

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



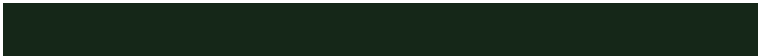
002733



2E1E2E



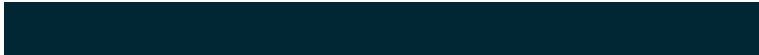
321F13



152718

# Rectangle

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



002733



1D2236



321F13



25240F



# Sweetspot

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



002733



2E3E42



00330C



151E21



A1A1A1



212121



# Same Dimension

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



002733



003342



000E33



17191A



004459



00A6D9



# Inverse Universe

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



330027



420033



332500



1A1719



590044



D900A6



# Previews

## White Background



This preview shows how the Hex color 002733 looks on a white background.

## Color Contrast Check

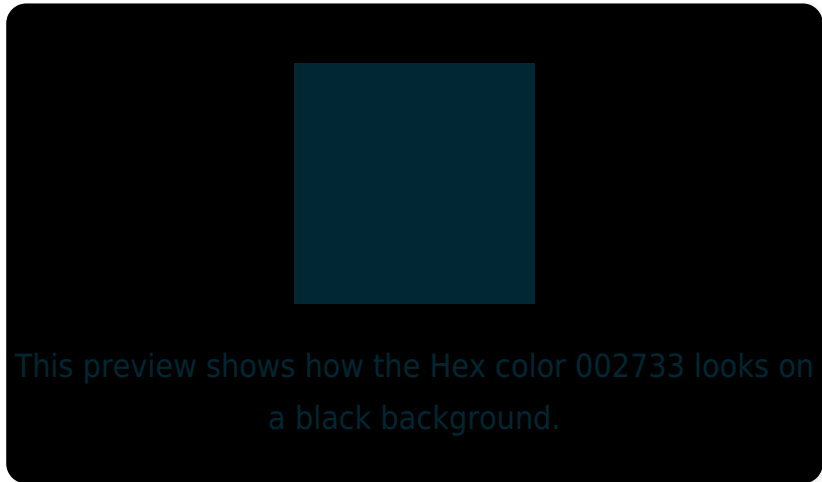
Large Text (above 18pt) WCAG AA ✓ Pass

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

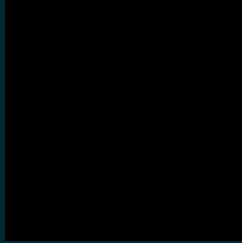
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

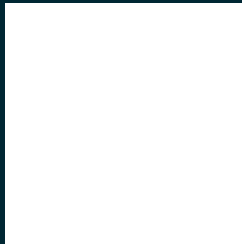
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 002733 Background



This preview shows how black text looks on a background with the Hex color 002733.



This preview shows how white text looks on a background with the Hex color 002733.

# 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**  
002733

**Protanopia**  
202330

**Deuteranopia**  
1E2434



**Tritanopia**  
00282B

# Trichromacy



**Original Color**  
002733

**Protanomaly**  
142431

**Deuteranomaly**  
132534

**Tritanomaly**  
00282E

# Monochromacy



**Original Color**  
002733

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
122125

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002733 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 #002733 looks like.

```
.text, #text, p{  
  color:#002733  
}
```

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 #002733 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002733
}
```

## Border

The CSS property to change the border of an element to Hex 002733 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
#002733 }
```

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

```
.border{ border-color:#002733 }
```

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

Here you see how a box with a 4 pixel #002733 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002733; -webkit-box-shadow:4px 4px  
4px 4px #002733; box-shadow:4px 4px 4px  
4px #002733 }
```

# Background

The CSS property to change the background color of an element to Hex 002733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002733 }
```

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

```
.background{ background-color:#002733 }
```

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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