

# Converting Colors

Hex(002249)

Have a look what the booklet for  
Hex(002249) contains.

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# Color

**Hex(002249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002249
RGB	0, 34, 73
RGB Percent	0%, 13%, 29%
CMY	1.0000, 0.8667, 0.7137
CMYK	1.00, 0.53, 0.00, 0.71
HSL	212°, 100%, 14%
HSV	212°, 100%, 29%
XYZ	1.7746, 1.6251, 6.5235
YIQ	28.2800, -32.7830, 4.9210

# Conversions

## Conversions Part 2

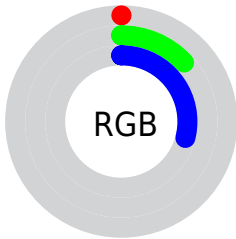
Format	Color
<a href="#">RYB</a>	<a href="#">0, 23, 73</a>
Decimal	<a href="#">8777</a>
CIELab	<a href="#">13.38, 6.00, -27.60</a>
CIELCh	<a href="#">13, 28.245, 282.261</a>
Yxy	<a href="#">1.6251, 0.1788, 0.1638</a>
Android (android.graphics.Color)	<a href="#">4278198857 (0xFF002249)</a>
YUV	<a href="#">28.2800, 22.0470, -24.8016</a>
Hunter-Lab	<a href="#">12.7479, 2.5400, -21.4168</a>

# Details

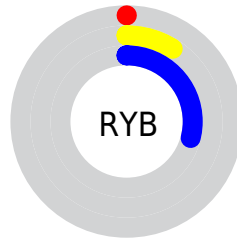
The Hex color **002249** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **492700**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **3A4E7A**, and **00021D** is the 20% darker color. If you saturate the color by 10%, you get **002249**, and if you desaturate by 10%, it is **072649**.

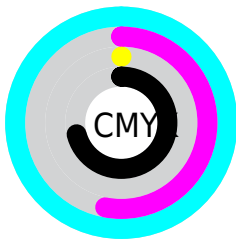
# Distribution



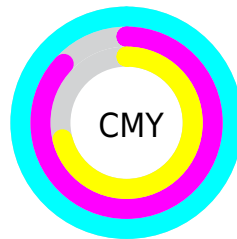
- Red (0%)
- Green (13%)
- Blue (29%)



- Red (0%)
- Yellow (9%)
- Blue (29%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (71%)



- Cyan (100%)
- Magenta (87%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002249 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 002249 by changing the saturation by 10% instead.



002249

002249

F8FFFF

000B32

3A4E7A

00021D

546694

000000

6D7EAF

8898CA

A3B3E6

BFCEFF

DBEBFF

002249

■ 072649

■ 0F2A49

■ 162E49

■ 1D3249

■ 253649

■ 2C3949

■ 333D49

■ 3A4149

■ 424549

# Harmonies

## Analogous

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



002848



002249



2D1940

# Triad

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



002249



411403



002A16

# Complementary

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



002249



492700

# 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.



102800



002249



351D00

# Square

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



002249



450D1B



252400



002B2A

# Rectangle

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



002249



3B1235



252400



002A0E



# Sweetspot

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



002249



424F5E



004927



1F2730



B0B0B0



303030



# Same Dimension

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



002249



002C5E



020049



202224



002E63



006AE3



# Inverse Universe

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



490022



5E002C



474900



242022



63002E



E3006A



# Previews

## White Background



This preview shows how the Hex color 002249 looks on a white background.

## Color Contrast Check

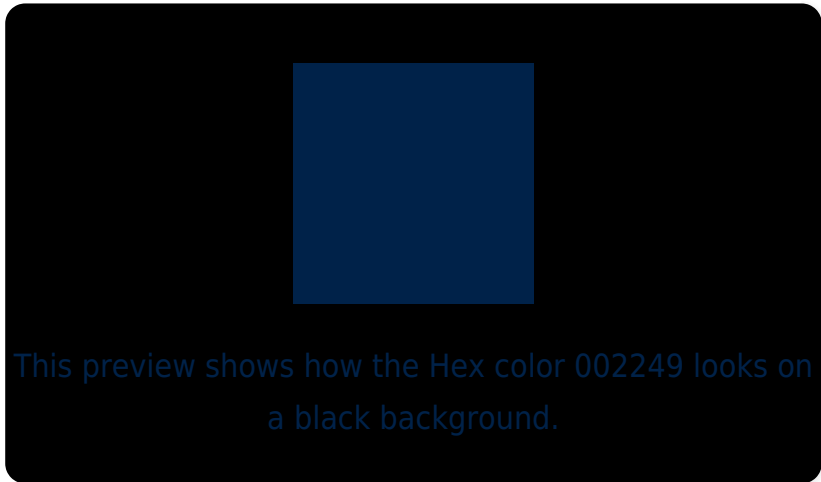
Large Text (above 18pt) WCAG AA ✓ Pass

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

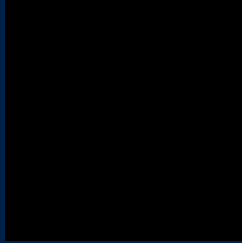
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002249 Background



This preview shows how black text looks on a background with the Hex color 002249.



This preview shows how white text looks on a background with the Hex color 002249.

# 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**  
002249

**Protanopia**  
002249

**Deuteranopia**  
00243F



**Tritanopia**  
00272A

# Trichromacy



**Original Color**  
002249

**Protanomaly**  
002249

**Deuteranomaly**  
002343

**Tritanomaly**  
002535

# Monochromacy



**Original Color**  
002249

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
121E2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002249 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 #002249 looks like.

```
.text, #text, p{  
    color:#002249  
}
```

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 #002249 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002249
}
```

## Border

The CSS property to change the border of an element to Hex 002249 is called "border". The border property can be set on classes, ids or directly on the HTML element.

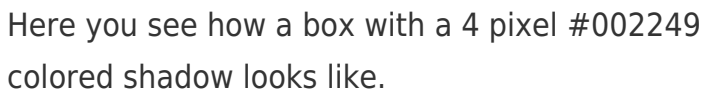
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#002249 }
```

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

```
.border{ border-color:#002249 }
```

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



Here you see how a box with a 4 pixel #002249 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002249; -webkit-box-shadow:4px 4px  
4px 4px #002249; box-shadow:4px 4px 4px  
4px #002249 }
```

# Background

The CSS property to change the background color of an element to Hex 002249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002249 }
```

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

```
.background{ background-color:#002249 }
```

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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