

# Converting Colors

Hex(002572)

Have a look what the booklet for  
Hex(002572) contains.

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# Color

**Hex(002572)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002572
RGB	0, 37, 114
RGB Percent	0%, 15%, 45%
CMY	1.0000, 0.8549, 0.5529
CMYK	1.00, 0.68, 0.00, 0.55
HSL	221°, 100%, 22%
HSV	221°, 100%, 45%
XYZ	3.6988, 2.5380, 16.2145
YIQ	34.7150, -46.7690, 16.1030

# Conversions

## Conversions Part 2

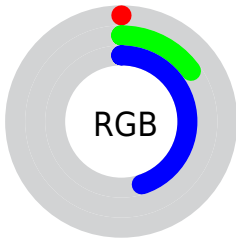
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 28, 114
Decimal	9586
CIELab	18.09, 22.50, -47.23
CIELCh	18, 52.319, 295.471
Yxy	2.5380, 0.1647, 0.1130
Android (android.graphics.Color)	4278199666 (0xFF002572)
YUV	34.7150, 39.0875, -30.4451
Hunter-Lab	15.9312, 13.5636, -49.1925

# Details

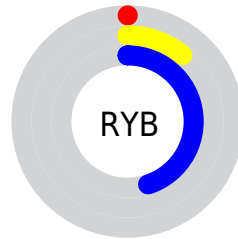
The Hex color **002572** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **724D00**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **4A51A7**, and **000041** is the 20% darker color. If you saturate the color by 10%, you get **002572**, and if you desaturate by 10%, it is **0B2D72**.

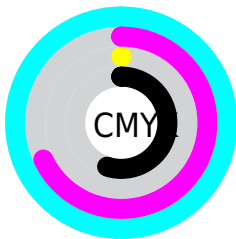
# Distribution



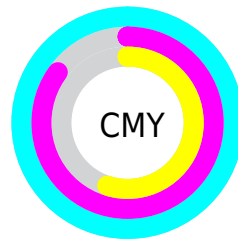
- Red (0%)
- Green (15%)
- Blue (45%)



- Red (0%)
- Yellow (11%)
- Blue (45%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (85%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002572 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 002572 by changing the saturation by 10% instead.



■ 002572

■ 002572

FFFFFF

■ 001259

■ 4A51A7

■ 000041

■ 6569C2

■ 00032A

■ 8182DF

■ 000114

■ 9D9CFB

■ 000000

■ BAB7FF

■ D7D3FF

■ F4EFFF

■ 002572

■ 0B2D72

■ 173472

■ 223C72

■ 2E4472

■ 394B72

■ 445372

■ 505B72

■ 5B6372

■ 676A72

# Harmonies

## Analogous

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



003479



002572



510358

# Triad

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



002572



581400



003A25

# Complementary

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



002572



724D00

# 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.



003800



002572



3D2900

# Square

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



002572



68000E



173300



003B4C

# Rectangle

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



002572



630040



173300



003A18



# Sweetspot

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



002572



687694



00724C



2F384A



C9C9C9



4A4A4A



# Same Dimension

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



002572



003094



130072



323438



002778



0050F7



# Inverse Universe

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



720025



940030



5F7200



383234



780027



F70050



# Previews

## White Background



This preview shows how the Hex color 002572 looks on a white background.

## Color Contrast Check

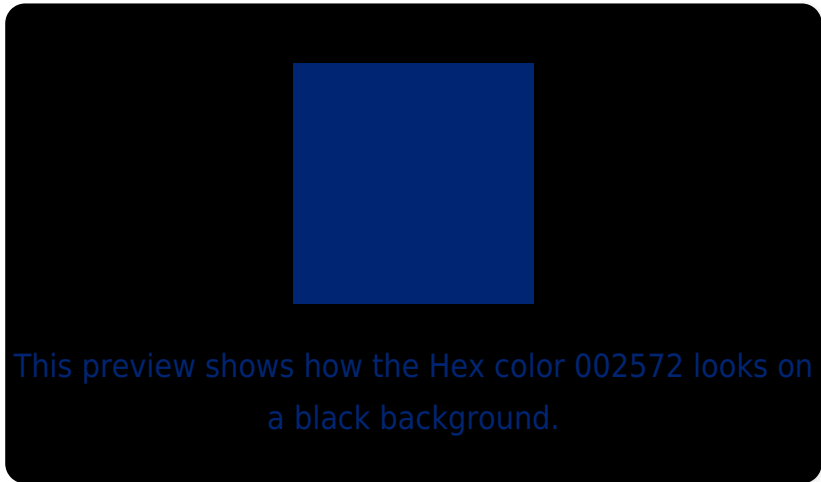
Large Text (above 18pt) WCAG AA ✓ Pass

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

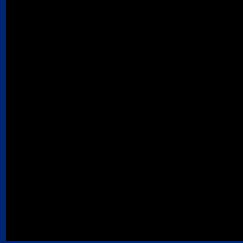
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002572 Background



This preview shows how black text looks on a background with the Hex color 002572.



This preview shows how white text looks on a background with the Hex color 002572.

# 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**

002572

**Protanopia**

002C5C

**Deuteranopia**

002F4F



# Trichromacy



**Original Color**  
002572

**Protanomaly**  
002964

**Deuteranomaly**  
002B5C

**Tritanomaly**  
002D4B

# Monochromacy



**Original Color**  
002572

**Achromatopsia**  
232323

**Achromatomaly**  
162440

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002572 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 #002572 looks like.

```
.text, #text, p{  
    color:#002572  
}
```

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 #002572 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002572
}
```

## Border

The CSS property to change the border of an element to Hex 002572 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
#002572 }
```

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

```
.border{ border-color:#002572 }
```

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

Here you see how a box with a 4 pixel #002572 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002572; -webkit-box-shadow:4px 4px  
4px 4px #002572; box-shadow:4px 4px 4px  
4px #002572 }
```

# Background

The CSS property to change the background color of an element to Hex 002572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002572 }
```

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

```
.background{ background-color:#002572 }
```

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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