

# Converting Colors

Hex(004577)

Have a look what the booklet for  
Hex(004577) contains.

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# Color

**Hex(004577)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004577
RGB	0, 69, 119
RGB Percent	0%, 27%, 47%
CMY	1.0000, 0.7294, 0.5333
CMYK	1.00, 0.42, 0.00, 0.53
HSL	205°, 100%, 23%
HSV	205°, 100%, 47%
XYZ	5.4579, 5.5882, 18.2437
YIQ	54.0690, -57.1740, 0.9220

# Conversions

## Conversions Part 2

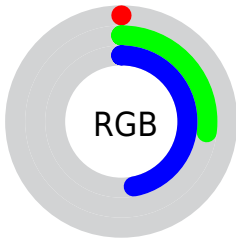
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 44, 119
Decimal	17783
CIELab	28.35, 1.74, -33.80
CIELCh	28, 33.841, 272.951
Yxy	5.5882, 0.1863, 0.1908
Android (android.graphics.Color)	4278207863 (0xFF004577)
YUV	54.0690, 32.0110, -47.4185
Hunter-Lab	23.6393, -0.1562, -29.2098

# Details

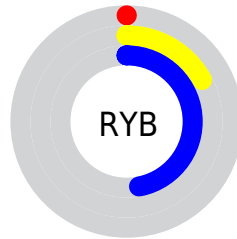
The Hex color **004577** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **773200**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **4A75AC**, and **001B46** is the 20% darker color. If you saturate the color by 10%, you get **004577**, and if you desaturate by 10%, it is **0C4A77**.

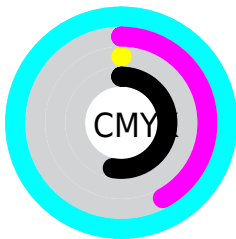
# Distribution



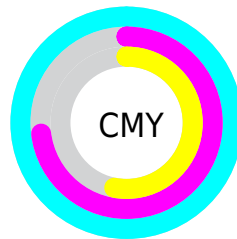
- Red (0%)
- Green (27%)
- Blue (47%)



- Red (0%)
- Yellow (17%)
- Blue (47%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (73%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004577 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 004577 by changing the saturation by 10% instead.



004577

004577

FFFFFF

002F5E

4A75AC

001B46

658EC7

00042F

81A9E3

00011A

9DC4FF

000000

B9E0FF

D6FCFF

F3FFFF

004577

■ 0C4A77

■ 184F77

■ 245477

■ 305977

■ 3B5E77

■ 476377

■ 536877

■ 5F6D77

■ 6B7277

# Harmonies

## Analogous

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



004C71



004577



473B6F

# Triad

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



004577



702F28



054E2A

# Complementary

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



004577



773200

# 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.



334914



004577



633913

# Square

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



004577



712A41



4E4209



004F45

# Rectangle

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



004577



5D3363



4E4209



1B4C22



# Sweetspot

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



004577



6D889C



007732



33434F



CFCFCF



4F4F4F



# Same Dimension

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



004577



005A9C



000A77



35383B



00477A



0091FA



# Inverse Universe

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



770045



9C005A



776D00



3B3538



7A0047



FA0091



# Previews

## White Background



This preview shows how the Hex color 004577 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

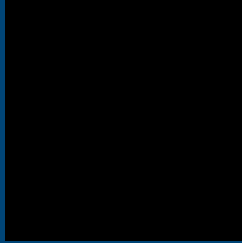
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004577 Background



This preview shows how black text looks on a background with the Hex color 004577.



This preview shows how white text looks on a background with the Hex color 004577.

# 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**  
004577

**Protanopia**  
2D4274

**Deuteranopia**  
144477



**Tritanopia**  
004B50

# Trichromacy



**Original Color**  
004577

**Protanomaly**  
1D4375

**Deuteranomaly**  
0D4477

**Tritanomaly**  
00495E

# Monochromacy



**Original Color**  
004577

**Achromatopsia**  
363636

**Achromatomaly**  
223B4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004577 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 #004577 looks like.

```
.text, #text, p{  
    color:#004577  
}
```

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 #004577 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004577
}
```

## Border

The CSS property to change the border of an element to Hex 004577 is called "border". The border property can be set on classes, ids or directly on the HTML element.

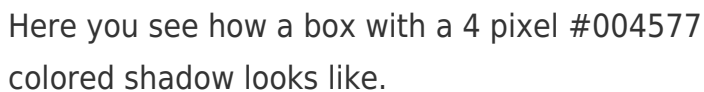
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#004577 }
```

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

```
.border{ border-color:#004577 }
```

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



Here you see how a box with a 4 pixel #004577 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004577; -webkit-box-shadow:4px 4px  
4px 4px #004577; box-shadow:4px 4px 4px  
4px #004577 }
```

# Background

The CSS property to change the background color of an element to Hex 004577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004577 }
```

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

```
.background{ background-color:#004577 }
```

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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