

# Converting Colors

Hex(004B77)

Have a look what the booklet for  
Hex(004B77) contains.

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# Color

**Hex(004B77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004B77
RGB	0, 75, 119
RGB Percent	0%, 29%, 47%
CMY	1.0000, 0.7059, 0.5333
CMYK	1.00, 0.37, 0.00, 0.53
HSL	202°, 100%, 23%
HSV	202°, 100%, 47%
XYZ	5.8459, 6.3641, 18.3730
YIQ	57.5910, -58.8240, -2.2160

# Conversions

## Conversions Part 2

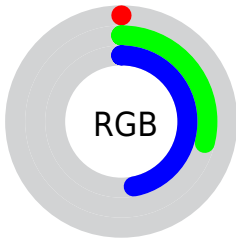
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 46, 119
Decimal	19319
CIE <sub>Lab</sub>	30.31, -2.26, -30.67
CIE <sub>LCh</sub>	30, 30.752, 265.788
Yxy	6.3641, 0.1911, 0.2081
Android (android.graphics.Color)	4278209399 (0xFF004B77)
YUV	57.5910, 30.2746, -50.5073
Hunter-Lab	25.2271, -2.7838, -25.5223

# Details

The Hex color **004B77** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **772C00**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **4A7BAC**, and **002046** is the 20% darker color. If you saturate the color by 10%, you get **004B77**, and if you desaturate by 10%, it is **0C4F77**.

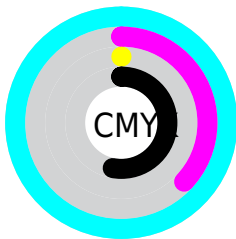
# Distribution



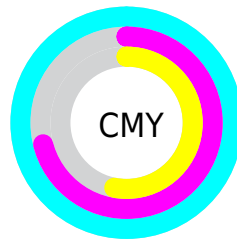
- Red (0%)
- Green (29%)
- Blue (47%)



- Red (0%)
- Yellow (18%)
- Blue (47%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (53%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 004B77 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 004B77 by changing the saturation by 10% instead.



■ 004B77

■ 004B77

FFFFFF

■ 00355E

■ 4A7BAC

■ 002046

■ 6695C7

■ 000630

■ 81B0E3

■ 00011A

■ 9DCBFF

■ 000000

■ BAE7FF

■ D6FFFF

■ F4FFFF

■ 004B77

■ 0C4F77

■ 185477

■ 245877

■ 305D77

■ 3B6177

■ 476577

■ 536A77

■ 5F6E77

■ 6B7377

# Harmonies

## Analogous

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



00516F



004B77



434273

# Triad

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



004B77



733434



22512B

# Complementary

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



004B77



772C00

# 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.



404C1A



004B77



6A3C20

# Square

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



004B77



71334C



584515



005343

# Rectangle

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



004B77



593C69



584515



2D5024



# Sweetspot

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



004B77



6D8A9C



00772C



33454F



CFCFCF



4F4F4F



# Same Dimension

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



004B77



00629C



001077



35383B



004D7A



009DFA



# Inverse Universe

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



77004B



9C0062



776700



3B3538



7A004D



FA009D



# Previews

## White Background



This preview shows how the Hex color 004B77 looks on a white background.

## Color Contrast Check

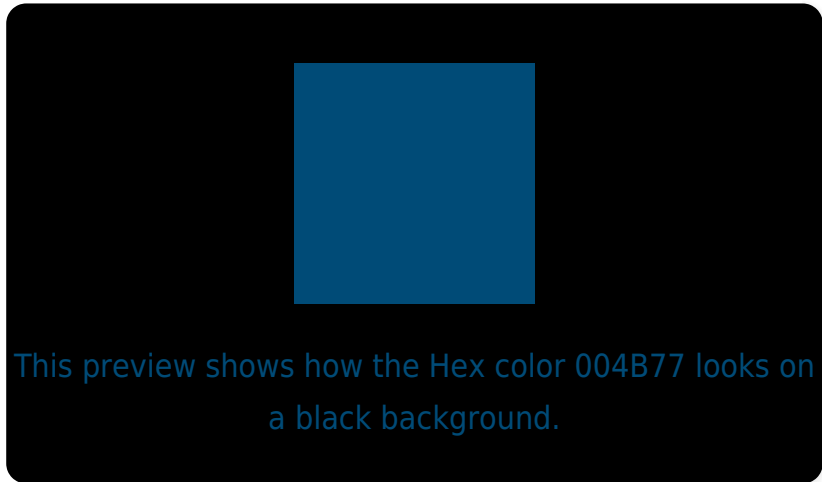
Large Text (above 18pt) WCAG AA ✓ Pass

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

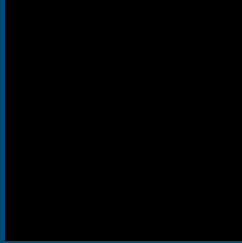
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004B77 Background



This preview shows how black text looks on a background with the Hex color 004B77.



This preview shows how white text looks on a background with the Hex color 004B77.

# 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





# Trichromacy



**Original Color**  
004B77

**Protanomaly**  
234874

**Deuteranomaly**  
194978

**Tritanomaly**  
004E61

# Monochromacy



**Original Color**  
004B77

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
254050

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004B77 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 #004B77 looks like.

```
.text, #text, p{  
    color:#004B77  
}
```

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 #004B77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004B77
}
```

## Border

The CSS property to change the border of an element to Hex 004B77 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
#004B77 }
```

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

```
.border{ border-color:#004B77 }
```

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

Here you see how a box with a 4 pixel #004B77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004B77; -webkit-box-shadow:4px 4px  
4px 4px #004B77; box-shadow:4px 4px 4px  
4px #004B77 }
```

# Background

The CSS property to change the background color of an element to Hex 004B77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004B77 }
```

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

```
.background{ background-color:#004B77 }
```

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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