

# Converting Colors

Hex(004671)

Have a look what the booklet for  
Hex(004671) contains.

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# Color

**Hex(004671)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004671
RGB	0, 70, 113
RGB Percent	0%, 27%, 44%
CMY	1.0000, 0.7255, 0.5569
CMYK	1.00, 0.38, 0.00, 0.56
HSL	203°, 100%, 22%
HSV	203°, 100%, 44%
XYZ	5.1708, 5.5726, 16.4259
YIQ	53.9720, -55.5230, -1.4670

# Conversions

## Conversions Part 2

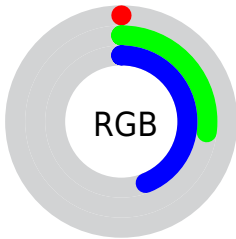
Format	Color
R <sub>Y</sub> B	0, 43, 113
Decimal	18033
CIE Lab	28.31, -1.52, -30.08
CIE LCh	28, 30.115, 267.100
Yxy	5.5726, 0.1903, 0.2051
Android (android.graphics.Color)	4278208113 (0xFF004671)
YUV	53.9720, 29.1008, -47.3334
Hunter-Lab	23.6063, -2.2118, -24.7311

# Details

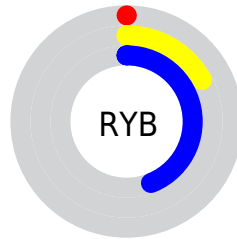
The Hex color **004671** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **712B00**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **4876A5**, and **001B41** is the 20% darker color. If you saturate the color by 10%, you get **004671**, and if you desaturate by 10%, it is **0B4A71**.

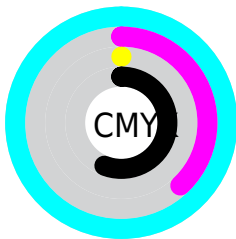
# Distribution



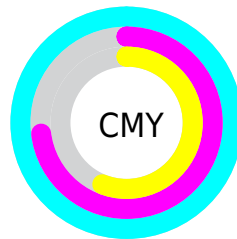
- Red (0%)
- Green (27%)
- Blue (44%)



- Red (0%)
- Yellow (17%)
- Blue (44%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (73%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004671 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 004671 by changing the saturation by 10% instead.



004671

004671

FFFFFF

003058

4876A5

001B41

6390C0

00032A

7FAADC

000115

9AC5F9

000000

B7E1FF

D3FEFF

F1FFFF

004671

■ 0B4A71

■ 174F71

■ 225371

■ 2D5771

■ 395C71

■ 446071

■ 4F6471

■ 5A6871

■ 666D71

# Harmonies

## Analogous

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



004B69



004671



403E6C

# Triad

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



004671



6D302F



1C4C28

# Complementary

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



004671



712B00

# 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.



3B4817



004671



63381C

# Square

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



004671



6B2E46



524112



004E40

# Rectangle

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



004671



553763



524112



284B22



# Sweetspot

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



004671



688394



007129



2F404A



C9C9C9



4A4A4A



# Same Dimension

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



004671



005C94



000F71



323638



004A78



0099F7



# Inverse Universe

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



710046



94005C



716200



383236



78004A



F70099



# Previews

## White Background



This preview shows how the Hex color 004671 looks on a white background.

## Color Contrast Check

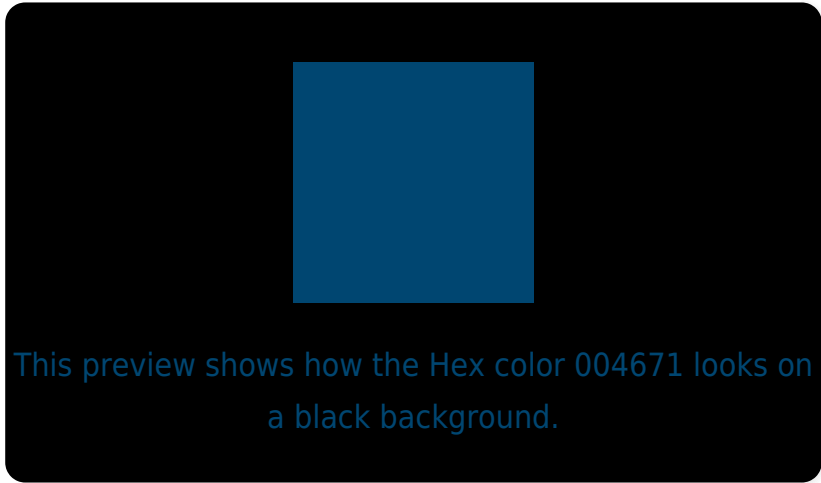
Large Text (above 18pt) WCAG AA ✓ Pass

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

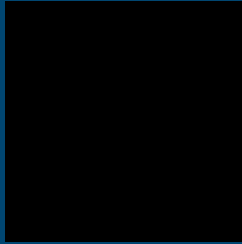
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004671 Background



This preview shows how black text looks on a background with the Hex color 004671.



This preview shows how white text looks on a background with the Hex color 004671.

# 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](#).

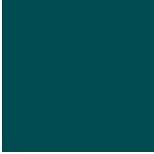
## Dichromacy



**Original Color**  
004671

**Protanopia**  
32426D

**Deuteranopia**  
224472



**Tritanopia**  
004B50

# Trichromacy



**Original Color**  
004671

**Protanomaly**  
20436E

**Deuteranomaly**  
164572

**Tritanomaly**  
00495C

# Monochromacy



**Original Color**  
004671

**Achromatopsia**  
363636

**Achromatomaly**  
223C4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004671 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 #004671 looks like.

```
.text, #text, p{  
    color:#004671  
}
```

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 #004671 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004671
}
```

## Border

The CSS property to change the border of an element to Hex 004671 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
#004671 }
```

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

```
.border{ border-color:#004671 }
```

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

Here you see how a box with a 4 pixel #004671 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004671; -webkit-box-shadow:4px 4px  
4px 4px #004671; box-shadow:4px 4px 4px  
4px #004671 }
```

# Background

The CSS property to change the background color of an element to Hex 004671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004671 }
```

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

```
.background{ background-color:#004671 }
```

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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