

# Converting Colors

Hex(004071)

Have a look what the booklet for  
Hex(004071) contains.

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# Color

**Hex(004071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004071
RGB	0, 64, 113
RGB Percent	0%, 25%, 44%
CMY	1.0000, 0.7490, 0.5569
CMYK	1.00, 0.43, 0.00, 0.56
HSL	206°, 100%, 22%
HSV	206°, 100%, 44%
XYZ	4.8140, 4.8590, 16.3069
YIQ	50.4500, -53.8730, 1.6710

# Conversions

## Conversions Part 2

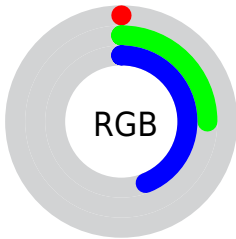
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 41, 113
Decimal	16497
CIELab	26.33, 2.54, -33.23
CIELCh	26, 33.326, 274.373
Yxy	4.8590, 0.1853, 0.1870
Android (android.graphics.Color)	4278206577 (0xFF004071)
YUV	50.4500, 30.8372, -44.2446
Hunter-Lab	22.0432, 0.4070, -28.4307

# Details

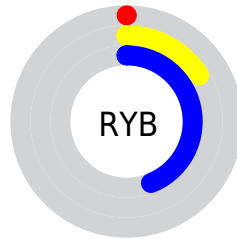
The Hex color **004071** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **713100**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **486FA5**, and **001641** is the 20% darker color. If you saturate the color by 10%, you get **004071**, and if you desaturate by 10%, it is **0B4571**.

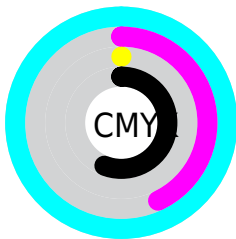
# Distribution



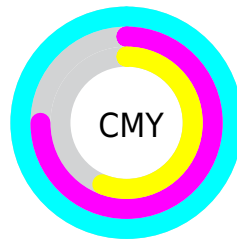
- Red (0%)
- Green (25%)
- Blue (44%)



- Red (0%)
- Yellow (16%)
- Blue (44%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (75%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004071 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 004071 by changing the saturation by 10% instead.



004071

004071

FFFFFF

002A58

486FA5

001641

6389C1

00032A

7FA3DD

000114

9ABEF9

000000

B6D9FF

D3F6FF

F0FFFF

004071

■ 0B4571

■ 174A71

■ 224F71

■ 2D5471

■ 395971

■ 445D71

■ 4F6271

■ 5A6771

■ 666C71

# Harmonies

## Analogous

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



00476C



004071



443668

# Triad

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



004071



692B23



004927

# Complementary

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



004071



713100

# 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.



2E4511



004071



5C350F

# Square

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



004071



6C263C



483E05



004A41

# Rectangle

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



004071



582E5C



483E05



15481F



# Sweetspot

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



004071



688194



007131



2F3E4A



C9C9C9



4A4A4A



# Same Dimension

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



004071



005494



000871



323638



004478



008CF7



# Inverse Universe

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



710040



940054



716900



383236



780044



F7008C



# Previews

## White Background



This preview shows how the Hex color 004071 looks on a white background.

## Color Contrast Check

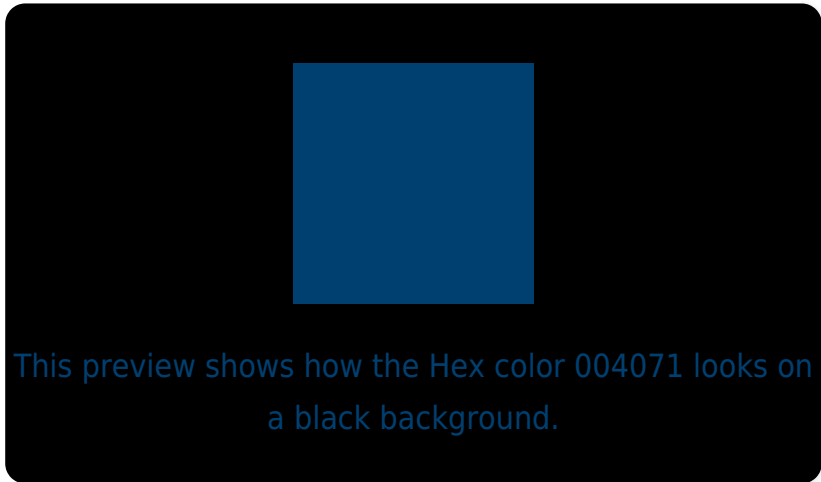
Large Text (above 18pt) WCAG AA ✓ Pass

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

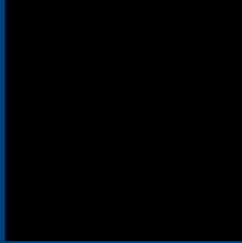
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004071 Background



This preview shows how black text looks on a background with the Hex color 004071.



This preview shows how white text looks on a background with the Hex color 004071.

# 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**  
004071

**Protanopia**  
283D6E

**Deuteranopia**  
094071



**Tritanopia**  
00464B

# Trichromacy



**Original Color**  
004071

**Protanomaly**  
193E6F

**Deuteranomaly**  
064071

**Tritanomaly**  
004459

# Monochromacy



**Original Color**  
004071

**Achromatopsia**  
323232

**Achromatomaly**  
203749

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004071 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 #004071 looks like.

```
.text, #text, p{  
    color:#004071  
}
```

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 #004071 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004071
}
```

## Border

The CSS property to change the border of an element to Hex 004071 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
#004071 }
```

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

```
.border{ border-color:#004071 }
```

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

Here you see how a box with a 4 pixel #004071 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004071; -webkit-box-shadow:4px 4px  
4px 4px #004071; box-shadow:4px 4px 4px  
4px #004071 }
```

# Background

The CSS property to change the background color of an element to Hex 004071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004071 }
```

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

```
.background{ background-color:#004071 }
```

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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