

# Converting Colors

Hex(004570)

Have a look what the booklet for  
Hex(004570) contains.

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# Color

**Hex(004570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004570
RGB	0, 69, 112
RGB Percent	0%, 27%, 44%
CMY	1.0000, 0.7294, 0.5608
CMYK	1.00, 0.38, 0.00, 0.56
HSL	203°, 100%, 22%
HSV	203°, 100%, 44%
XYZ	5.0528, 5.4261, 16.1103
YIQ	53.2710, -54.9270, -1.2550

# Conversions

## Conversions Part 2

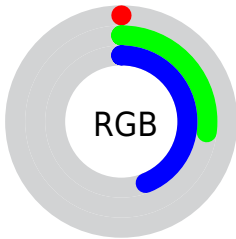
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 43, 112
Decimal	17776
CIELab	27.92, -1.29, -30.06
CIELCh	28, 30.093, 267.546
Yxy	5.4261, 0.1900, 0.2041
Android (android.graphics.Color)	4278207856 (0xFF004570)
YUV	53.2710, 28.9534, -46.7187
Hunter-Lab	23.2940, -2.0456, -24.6996

# Details

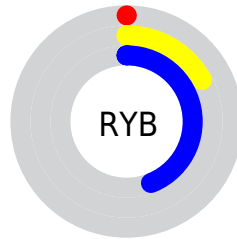
The Hex color **004570** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **702B00**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **4775A4**, and **001B40** is the 20% darker color. If you saturate the color by 10%, you get **004570**, and if you desaturate by 10%, it is **0B4970**.

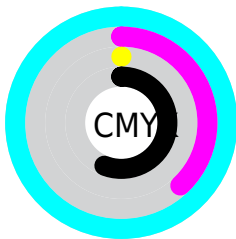
# Distribution



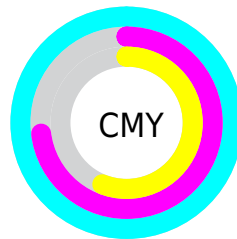
- Red (0%)
- Green (27%)
- Blue (44%)



- 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 004570 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 004570 by changing the saturation by 10% instead.



■ 004570

■ 004570

FFFFFF

■ 002F57

■ 4775A4

■ 001B40

■ 638EBF

■ 00032A

■ 7EA9DB

■ 000114

■ 9AC4F8

■ 000000

■ B6E0FF

■ D3FCFF

■ F0FFFF

■ 004570

■ 0B4970

■ 164E70

■ 225270

■ 2D5670

■ 385A70

■ 435F70

■ 4E6370

■ 5A6770

■ 656C70

# Harmonies

## Analogous

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



004A68



004570



403D6B

# Triad

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



004570



6C2F2E



1B4B28

# Complementary

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



004570



702B00

# 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.



394716



004570



62371B

# Square

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



004570



6B2D45



504011



004D3F

# Rectangle

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



004570



543661



504011



274A21



# Sweetspot

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



004570



668191



00702B



2F404A



C9C9C9



4A4A4A



# Same Dimension

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



004570



005A91



000D70



323638



004A78



0098F7



# Inverse Universe

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



700045



91005A



706300



383236



78004A



F70098



# Previews

## White Background



This preview shows how the Hex color 004570 looks on a white background.

## Color Contrast Check

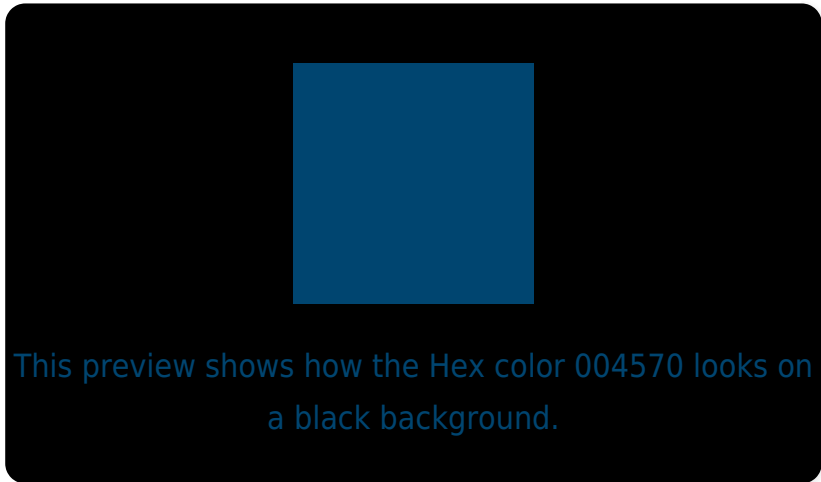
Large Text (above 18pt) WCAG AA ✓ Pass

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

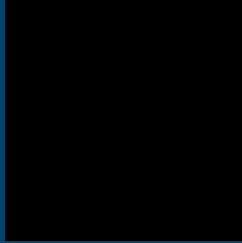
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004570 Background



This preview shows how black text looks on a background with the Hex color 004570.



This preview shows how white text looks on a background with the Hex color 004570.

# 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





**Tritanopia**  
004A4F

# Trichromacy



**Original Color**  
004570

**Protanomaly**  
1F426D

**Deuteranomaly**  
154471

**Tritanomaly**  
00485B

# Monochromacy



**Original Color**  
004570

**Achromatopsia**  
353535

**Achromatomaly**  
223B4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004570 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 #004570 looks like.

```
.text, #text, p{  
    color:#004570  
}
```

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 #004570 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004570
}
```

## Border

The CSS property to change the border of an element to Hex 004570 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
#004570 }
```

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

```
.border{ border-color:#004570 }
```

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

Here you see how a box with a 4 pixel #004570 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004570; -webkit-box-shadow:4px 4px  
4px 4px #004570; box-shadow:4px 4px 4px  
4px #004570 }
```

# Background

The CSS property to change the background color of an element to Hex 004570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004570 }
```

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

```
.background{ background-color:#004570 }
```

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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