

# Converting Colors

Hex(005070)

Have a look what the booklet for  
Hex(005070) contains.

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# Color

**Hex(005070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005070
RGB	0, 80, 112
RGB Percent	0%, 31%, 44%
CMY	1.0000, 0.6863, 0.5608
CMYK	1.00, 0.29, 0.00, 0.56
HSL	197°, 100%, 22%
HSV	197°, 100%, 44%
XYZ	5.7933, 6.9072, 16.3571
YIQ	59.7280, -57.9520, -7.0080

# Conversions

## Conversions Part 2

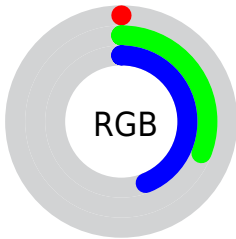
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 47, 112
Decimal	20592
CIELab	31.59, -8.38, -24.26
CIElCh	32, 25.665, 250.951
Yxy	6.9072, 0.1994, 0.2377
Android (android.graphics.Color)	4278210672 (0xFF005070)
YUV	59.7280, 25.7701, -52.3815
Hunter-Lab	26.2815, -6.6455, -18.5039

# Details

The Hex color **005070** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **702000**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **4881A4**, and **002440** is the 20% darker color. If you saturate the color by 10%, you get **005070**, and if you desaturate by 10%, it is **0B5370**.

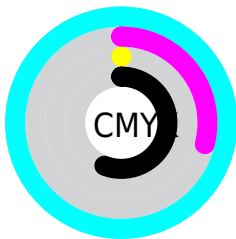
# Distribution



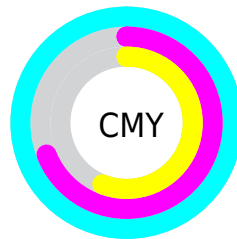
- Red (0%)
- Green (31%)
- Blue (44%)



- Red (0%)
- Yellow (18%)
- Blue (44%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (69%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005070 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 005070 by changing the saturation by 10% instead.



005070

005070

FFFFFF

003957

4881A4

002440

649BBF

000E2A

7FB6DB

000114

9BD2F8

000000

B7EEFF

D4FFFF

F1FFFF

005070

■ 0B5370

■ 165670

■ 225A70

■ 2D5D70

■ 386070

■ 436370

■ 4E6670

■ 5A6A70

■ 656D70

# Harmonies

## Analogous

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



005464



005070



374A72

# Triad

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



005070



713A44



3A512B

# Complementary

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



005070



702000

# 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.



504C22



005070



6D3E31

# Square

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



005070



693C58



614524



1D543D

# Rectangle

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



005070



4D456D



614524



414F27



# Sweetspot

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



005070



668591



007020



2F424A



C9C9C9



4A4A4A



# Same Dimension

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



005070



006891



001870



323638



005678



00B1F7



# Inverse Universe

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



700050



910068



705800



383236



780056



F700B1



# Previews

## White Background



This preview shows how the Hex color 005070 looks on a white background.

## Color Contrast Check

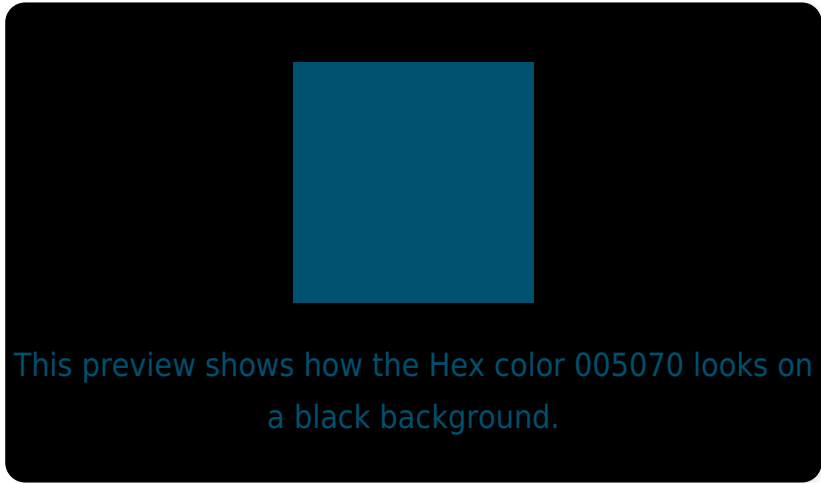
Large Text (above 18pt) WCAG AA ✓ Pass

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

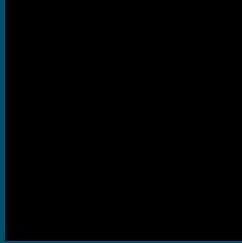
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005070 Background



This preview shows how black text looks on a background with the Hex color 005070.

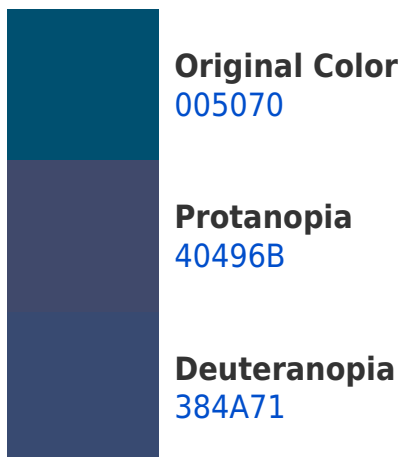


This preview shows how white text looks on a background with the Hex color 005070.

# 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**  
005070

**Protanomaly**  
294C6D

**Deuteranomaly**  
244C71

**Tritanomaly**  
005261

# Monochromacy



**Original Color**  
005070

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
26434F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005070 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 #005070 looks like.

```
.text, #text, p{  
    color:#005070  
}
```

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 #005070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005070
}
```

## Border

The CSS property to change the border of an element to Hex 005070 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
#005070 }
```

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

```
.border{ border-color:#005070 }
```

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

Here you see how a box with a 4 pixel #005070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005070; -webkit-box-shadow:4px 4px  
4px 4px #005070; box-shadow:4px 4px 4px  
4px #005070 }
```

# Background

The CSS property to change the background color of an element to Hex 005070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005070 }
```

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

```
.background{ background-color:#005070 }
```

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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