

# Converting Colors

Hex(005071)

Have a look what the booklet for  
Hex(005071) contains.

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# Color

**Hex(005071)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 005071                     |
| RGB         | 0, 80, 113                 |
| RGB Percent | 0%, 31%, 44%               |
| CMY         | 1.0000, 0.6863, 0.5569     |
| CMYK        | 1.00, 0.29, 0.00, 0.56     |
| HSL         | 198°, 100%, 22%            |
| HSV         | 198°, 100%, 44%            |
| XYZ         | 5.8493, 6.9296, 16.6520    |
| YIQ         | 59.8420, -58.2730, -6.6970 |

# Conversions

## Conversions Part 2

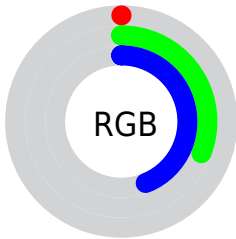
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 0, 47, 113                    |
| Decimal                             | 20593                         |
| CIELab                              | 31.65, -7.97, -24.81          |
| CIELCh                              | 32, 26.054, 252.197           |
| Yxy                                 | 6.9296, 0.1987,<br>0.2355     |
| Android<br>(android.graphics.Color) | 4278210673<br>(0xFF005071)    |
| YUV                                 | 59.8420, 26.2069,<br>-52.4814 |
| Hunter-Lab                          | 26.3241, -6.4039,<br>-19.0787 |

# Details

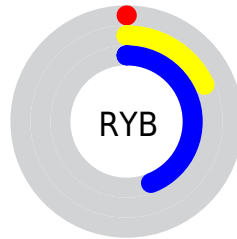
The Hex color **005071** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **712100**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **4881A5**, and **002441** is the 20% darker color. If you saturate the color by 10%, you get **005071**, and if you desaturate by 10%, it is **0B5371**.

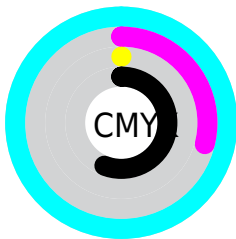
# Distribution



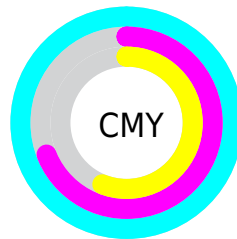
- Red (0%)
- Green (31%)
- Blue (44%)



- 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 005071 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 005071 by changing the saturation by 10% instead.



005071

005071

FFFFFF

003958

4881A5

002441

649BC0

000E2B

7FB6DC

000115

9BD1F9

000000

B7EEFF

D4FFFF

F1FFFF

005071

■ 0B5371

■ 175771

■ 225A71

■ 2D5D71

■ 396171

■ 446471

■ 4F6771

■ 5A6A71

■ 666E71

# Harmonies

## Analogous

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



005465



005071



384A72

# Triad

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



005071



713A43



38512B

# Complementary

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



005071



712100

# 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.



4F4C21



005071



6E3E30

# Square

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



005071



6A3B57



614523



1B543D

# Rectangle

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



005071



4E456D



614523



405027



# Sweetspot

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



005071



688794



007120



2F424A



C9C9C9



4A4A4A



# Same Dimension

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



005071



006994



001871



323638



005578



00AFF7



# Inverse Universe

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



710050



940069



715900



383236



780055



F700AF



# Previews

## White Background



This preview shows how the Hex color 005071 looks on a white background.

## Color Contrast Check

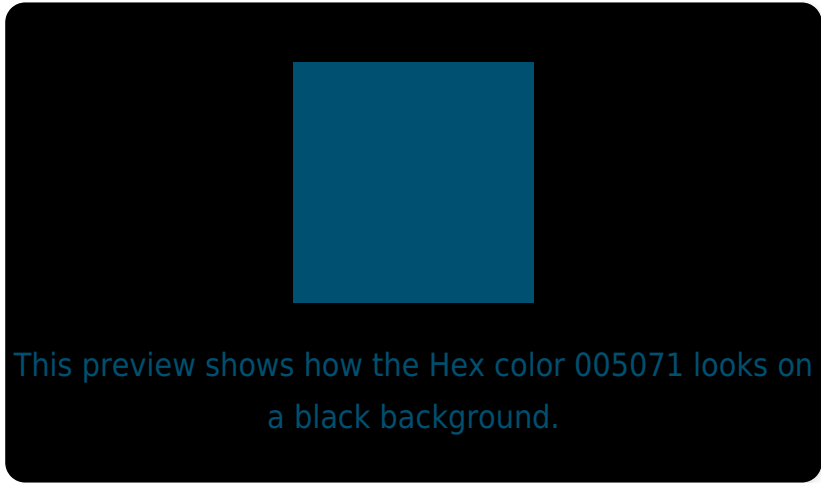
Large Text (above 18pt) WCAG AA ✓ Pass

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

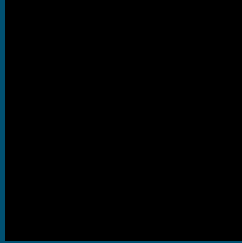
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005071 Background



This preview shows how black text looks on a background with the Hex color 005071.

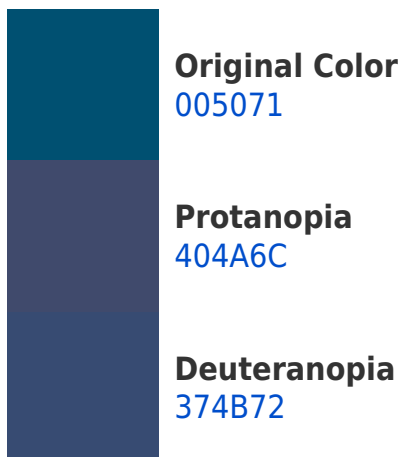


This preview shows how white text looks on a background with the Hex color 005071.

# 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**  
005071

**Protanomaly**  
294C6E

**Deuteranomaly**  
234D72

**Tritanomaly**  
005262

# Monochromacy



**Original Color**  
005071

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
26434F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005071 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 #005071 looks like.

```
.text, #text, p{  
    color:#005071  
}
```

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 #005071 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005071
}
```

## Border

The CSS property to change the border of an element to Hex 005071 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
#005071 }
```

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

```
.border{ border-color:#005071 }
```

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

Here you see how a box with a 4 pixel #005071 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005071; -webkit-box-shadow:4px 4px  
4px 4px #005071; box-shadow:4px 4px 4px  
4px #005071 }
```

# Background

The CSS property to change the background color of an element to Hex 005071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005071 }
```

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

```
.background{ background-color:#005071 }
```

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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