

# Converting Colors

Hex(005866)

Have a look what the booklet for  
Hex(005866) contains.

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# Color

**Hex(005866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005866
RGB	0, 88, 102
RGB Percent	0%, 35%, 40%
CMY	1.0000, 0.6549, 0.6000
CMYK	1.00, 0.14, 0.00, 0.60
HSL	188°, 100%, 20%
HSV	188°, 100%, 40%
XYZ	5.8880, 7.9388, 13.7924
YIQ	63.2840, -56.9420, -14.3020

# Conversions

## Conversions Part 2

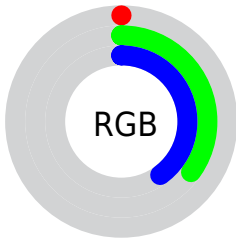
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 47, 102
Decimal	22630
CIELab	33.86, -17.05, -14.49
CIELCh	34, 22.376, 220.349
Yxy	7.9388, 0.2132, 0.2874
Android (android.graphics.Color)	4278212710 (0xFF005866)
YUV	63.2840, 19.0870, -55.5001
Hunter-Lab	28.1758, -12.0059, -9.3001

# Details

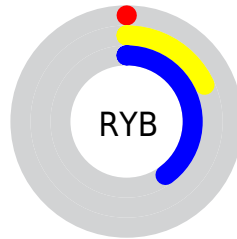
The Hex color **005866** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **660E00**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **478A99**, and **002A37** is the 20% darker color. If you saturate the color by 10%, you get **005866**, and if you desaturate by 10%, it is **0A5966**.

# Distribution



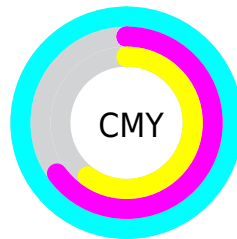
- Red (0%)
- Green (35%)
- Blue (40%)



- Red (0%)
- Yellow (18%)
- Blue (40%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (65%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005866 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 005866 by changing the saturation by 10% instead.



005866

005866

FFFFFF

00404E

478A99

002A37

62A5B4

001722

7DC0CF

000009

99DCEC

000000

B5F8FF

D2FFFF

FFFFFF

005866

■ 0A5966

■ 145B66

■ 1F5C66

■ 295E66

■ 335F66

■ 3D6066

■ 476266

■ 526366

■ 5C6566

# Harmonies

## Analogous

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



105955



005866



205571

# Triad

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



005866



6B435C



55512C

# Complementary

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



005866



660E00

# 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.



654A2E



005866



72424A

# Square

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



005866



5A496B



704539



425534

# Rectangle

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



005866



365173



704539



5B4F2C



# Sweetspot

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



005866



5D7F85



00660E



2A3F42



C2C2C2



424242



# Same Dimension

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



005866



007285



002566



2E3233



006373



00D1F2



# Inverse Universe

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



660058



850072



664100



332E32



730063



F200D1



# Previews

## White Background



This preview shows how the Hex color 005866 looks on a white background.

## Color Contrast Check

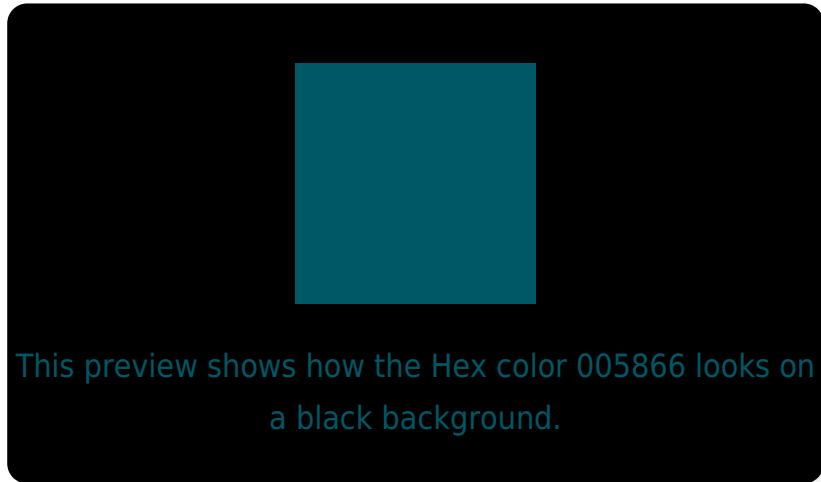
Large Text (above 18pt) WCAG AA ✓ Pass

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

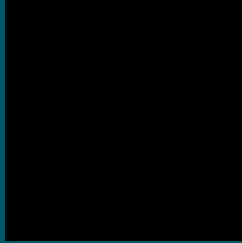
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005866 Background



This preview shows how black text looks on a background with the Hex color 005866.

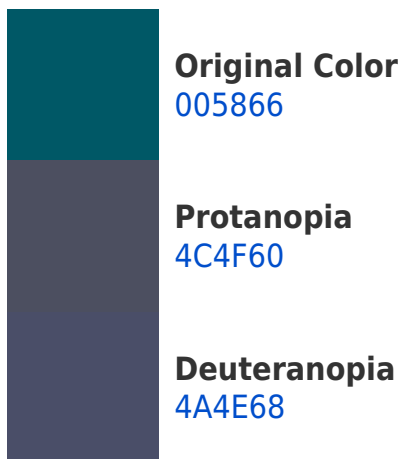


This preview shows how white text looks on a background with the Hex color 005866.

# Color Blindness Simulation

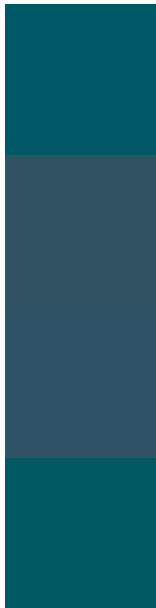
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



**Original Color**  
005866

**Protanomaly**  
305262

**Deuteranomaly**  
2F5267

**Tritanomaly**  
005962

# Monochromacy



**Original Color**  
005866

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
28484D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005866 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 #005866 looks like.

```
.text, #text, p{  
    color:#005866  
}
```

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 #005866 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005866
}
```

## Border

The CSS property to change the border of an element to Hex 005866 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
#005866 }
```

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

```
.border{ border-color:#005866 }
```

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

Here you see how a box with a 4 pixel #005866 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005866; -webkit-box-shadow:4px 4px  
4px 4px #005866; box-shadow:4px 4px 4px  
4px #005866 }
```

# Background

The CSS property to change the background color of an element to Hex 005866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005866 }
```

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

```
.background{ background-color:#005866 }
```

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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