

# Converting Colors

Hex(004F66)

Have a look what the booklet for  
Hex(004F66) contains.

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# Color

**Hex(004F66)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004F66
RGB	0, 79, 102
RGB Percent	0%, 31%, 40%
CMY	1.0000, 0.6902, 0.6000
CMYK	1.00, 0.23, 0.00, 0.60
HSL	194°, 100%, 20%
HSV	194°, 100%, 40%
XYZ	5.1943, 6.5513, 13.5611
YIQ	58.0010, -54.4670, -9.5950

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 45, 102
Decimal	20326
CIELab	30.76, -11.82, -19.25
CIELCh	31, 22.593, 238.452
Yxy	6.5513, 0.2053, 0.2589
Android (android.graphics.Color)	4278210406 (0xFF004F66)
YUV	58.0010, 21.6915, -50.8669
Hunter-Lab	25.5955, -8.5679, -13.4965

# Details

The Hex color **004F66** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **661700**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **458099**, and **002337** is the 20% darker color. If you saturate the color by 10%, you get **004F66**, and if you desaturate by 10%, it is **0A5166**.

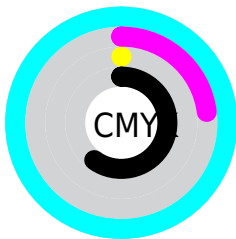
# Distribution



- Red (0%)
- Green (31%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (69%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004F66 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 004F66 by changing the saturation by 10% instead.



004F66

004F66

FFFFFF

00384E

458099

002337

619AB4

000722

7CB5CF

000008

97D1EC

000000

B3EDFF

D0FFFF

EDFFFF

004F66

■ 0A5166

■ 145466

■ 1F5666

■ 295866

■ 335B66

■ 3D5D66

■ 475F66

■ 526166

■ 5C6466

# Harmonies

## Analogous

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



005159



004F66



2B4A6B

# Triad

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



004F66



693A4A



424C29

# Complementary

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



004F66



661700

# 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.



544725



004F66



6A3C39

# Square

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



004F66



5E3E5B



62412B



2D5035

# Rectangle

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



004F66



40466A



62412B



494B26



# Sweetspot

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



004F66



5D7C85



006616



2A3D42



C2C2C2



424242



# Same Dimension

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



004F66



006785



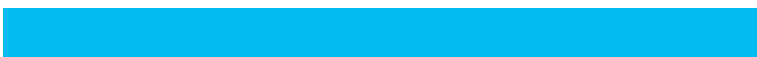
001D66



2E3233



005973



00BCF2



# Inverse Universe

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



66004F



850067



664900



332E32



730059



F200BC



# Previews

## White Background



This preview shows how the Hex color 004F66 looks on a white background.

## Color Contrast Check

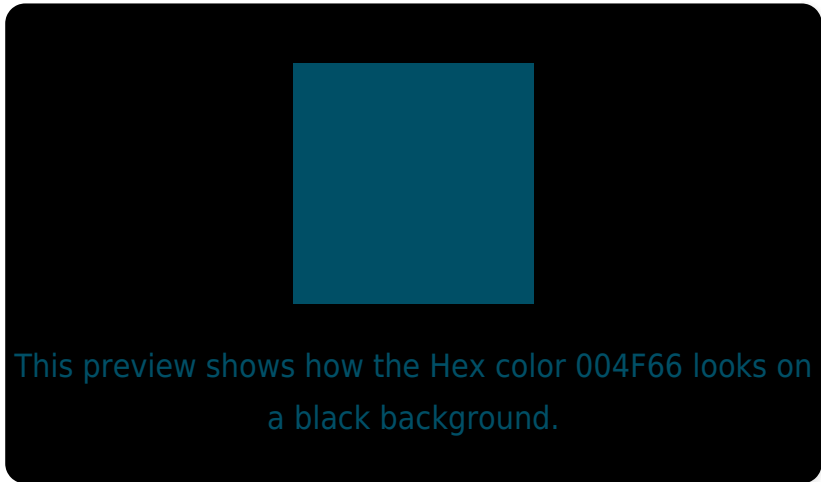
Large Text (above 18pt) WCAG AA ✓ Pass

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

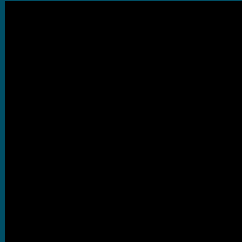
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004F66 Background



This preview shows how black text looks on a background with the Hex color 004F66.

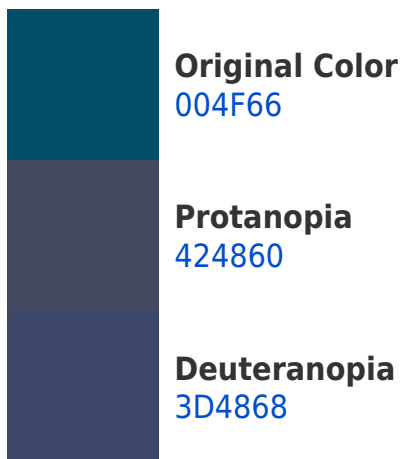


This preview shows how white text looks on a background with the Hex color 004F66.

# Color Blindness Simulation

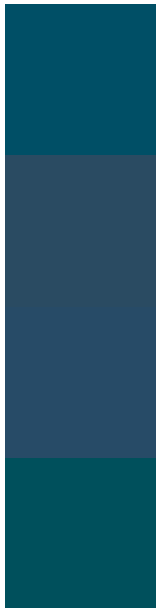
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



**Original Color**  
004F66

**Protanomaly**  
2A4B62

**Deuteranomaly**  
274B67

**Tritanomaly**  
00505C

# Monochromacy



**Original Color**  
004F66

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
25424A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004F66 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 #004F66 looks like.

```
.text, #text, p{  
    color:#004F66  
}
```

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 #004F66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004F66
}
```

## Border

The CSS property to change the border of an element to Hex 004F66 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
#004F66 }
```

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

```
.border{ border-color:#004F66 }
```

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

Here you see how a box with a 4 pixel #004F66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004F66; -webkit-box-shadow:4px 4px  
4px 4px #004F66; box-shadow:4px 4px 4px  
4px #004F66 }
```

# Background

The CSS property to change the background color of an element to Hex 004F66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004F66 }
```

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

```
.background{ background-color:#004F66 }
```

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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