

# Converting Colors

Hex(006563)

Have a look what the booklet for  
Hex(006563) contains.

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# Color

Hex(006563)

# Conversions

## Conversions Part 1

Format	Color
Hex	006563
RGB	0, 101, 99
RGB Percent	0%, 40%, 39%
CMY	1.0000, 0.6039, 0.6118
CMYK	1.00, 0.00, 0.02, 0.60
HSL	179°, 100%, 20%
HSV	179°, 100%, 40%
XYZ	6.9058, 10.2082, 13.4108
YIQ	70.5730, -59.5540, -22.0340

# Conversions

## Conversions Part 2

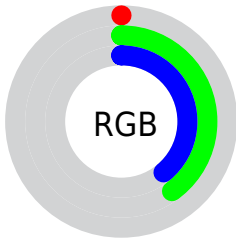
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 51, 101
Decimal	25955
CIELab	38.21, -25.04, -6.04
CIELCh	38, 25.758, 193.555
Yxy	10.2082, 0.2262, 0.3344
Android (android.graphics.Color)	4278216035 (0xFF006563)
YUV	70.5730, 14.0145, -61.8925
Hunter-Lab	31.9503, -17.3316, -2.5211

# Details

The Hex color **006563** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **650002**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **499896**, and **003535** is the 20% darker color. If you saturate the color by 10%, you get **006563**, and if you desaturate by 10%, it is **0A6563**.

# Distribution



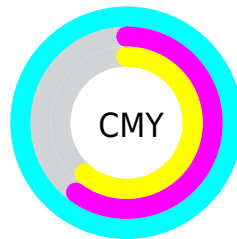
- Red (0%)
- Green (40%)
- Blue (39%)



- Red (0%)
- Yellow (20%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006563 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 006563 by changing the saturation by 10% instead.



 006563

 006563

FFFFFF

 004D4B

 499896

 003535

 64B3B0

 00211F

 80CFCC

 000007

 9CEBE8

 000000

 B8FFFF

 D5FFFF

 F2FFFF

 006563

■ 0A6563

■ 146563

■ 1E6564

■ 286564

■ 336564

■ 3D6564

■ 476564

■ 516565

■ 5B6565

# Harmonies

## Analogous

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



2B644D



006563



006376

# Triad

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



006563



685178



715532

# Complementary

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



006563



650002

# 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.



7E4E3E



006563



7B4B66

# Square

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



006563



4B5982



824A51



5E5C31

# Rectangle

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



006563



12617F



824A51



765235



# Sweetspot

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



006563



5B8281



036500



2A4242



C2C2C2



424242



# Same Dimension

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



006563



00827F



003665



2E3333



007370



00F2ED



# Inverse Universe

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



650002



820003



652F00



332E2E



730002



F20005



# Previews

## White Background



This preview shows how the Hex color 006563 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

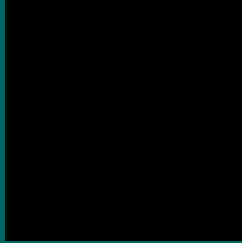
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006563 Background



This preview shows how black text looks on a background with the Hex color 006563.

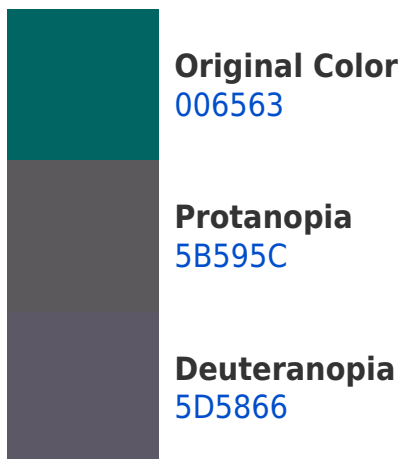



This preview shows how white text looks on a background with the Hex color 006563.

# 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](#).

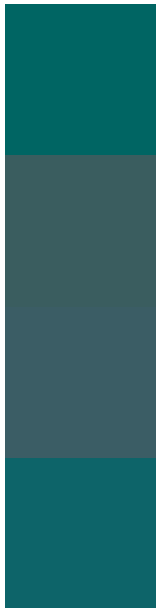
## Dichromacy





**Tritanopia**  
14646C

# Trichromacy



**Original Color**  
006563

**Protanomaly**  
3A5D5F

**Deuteranomaly**  
3B5D65

**Tritanomaly**  
0D6469

# Monochromacy



**Original Color**  
006563

**Achromatopsia**  
474747

**Achromatomaly**  
2D5251

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006563 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 #006563 looks like.

```
.text, #text, p{  
    color:#006563  
}
```

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 #006563 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006563
}
```

## Border

The CSS property to change the border of an element to Hex 006563 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
#006563 }
```

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

```
.border{ border-color:#006563 }
```

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

Here you see how a box with a 4 pixel #006563 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006563; -webkit-box-shadow:4px 4px  
4px 4px #006563; box-shadow:4px 4px 4px  
4px #006563 }
```

# Background

The CSS property to change the background color of an element to Hex 006563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006563 }
```

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

```
.background{ background-color:#006563 }
```

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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