

# Converting Colors

Hex(006047)

Have a look what the booklet for  
Hex(006047) contains.

<b>Hex(006047)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(006047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006047
RGB	0, 96, 71
RGB Percent	0%, 38%, 28%
CMY	1.0000, 0.6235, 0.7216
CMYK	1.00, 0.00, 0.26, 0.62
HSL	164°, 100%, 19%
HSV	164°, 100%, 38%
XYZ	5.3202, 8.8207, 7.3834
YIQ	64.4460, -49.1910, -28.1270

# Conversions

## Conversions Part 2

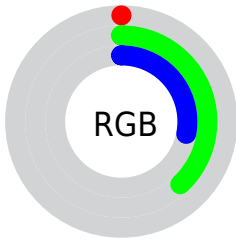
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 55, 96</a>
Decimal	<a href="#">24647</a>
CIELab	<a href="#">35.64, -31.31, 7.47</a>
CIELCh	<a href="#">36, 32.187, 166.577</a>
Yxy	<a href="#">8.8207, 0.2472, 0.4098</a>
Android (android.graphics.Color)	<a href="#">4278214727 (0xFF006047)</a>
YUV	<a href="#">64.4460, 3.2311, -56.5191</a>
Hunter-Lab	<a href="#">29.6996, -19.9990, 6.0501</a>

# Details

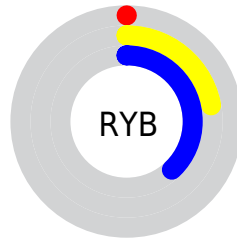
The Hex color **006047** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **600019**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **449377**, and **00301C** is the 20% darker color. If you saturate the color by 10%, you get **006047**, and if you desaturate by 10%, it is **0A6049**.

# Distribution



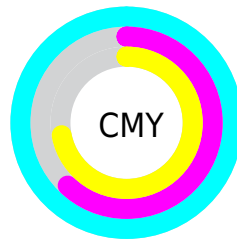
- Red (0%)
- Green (38%)
- Blue (28%)



- Red (0%)
- Yellow (22%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (62%)



- Cyan (100%)
- Magenta (62%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006047 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 006047 by changing the saturation by 10% instead.



 006047

 006047

FFFFFF

 004831

 449377

 00301C

 5FAE91

 001C01

 7ACAAC

 000000

 96E6C7

 B2FFE3

 CEFFFF

 EBFFFF

 006047

■ 0A6049

■ 13604C

■ 1D604E

■ 266051

■ 306053

■ 3A6056

■ 436058

■ 4D605B

■ 56605E

# Harmonies

## Analogous

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



375D2F



006047



006162

# Triad

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



006047



425285



7D452F

# Complementary

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



006047



600019

# 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.



843E47



006047



684777

# Square

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



006047



005A86



7D3F60



6C4E21

# Rectangle

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



006047



006072



7D3F60



814236



# Sweetspot

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



006047



577D73



1A6000



29403A



BFBFBF



404040



# Same Dimension

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



006047



007D5C



004A60



2C302F



007053



00F0B1



# Inverse Universe

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



600019



7D0021



601600



302C2D



70001D



F0003E



# Previews

## White Background



This preview shows how the Hex color 006047 looks on a white background.

## Color Contrast Check

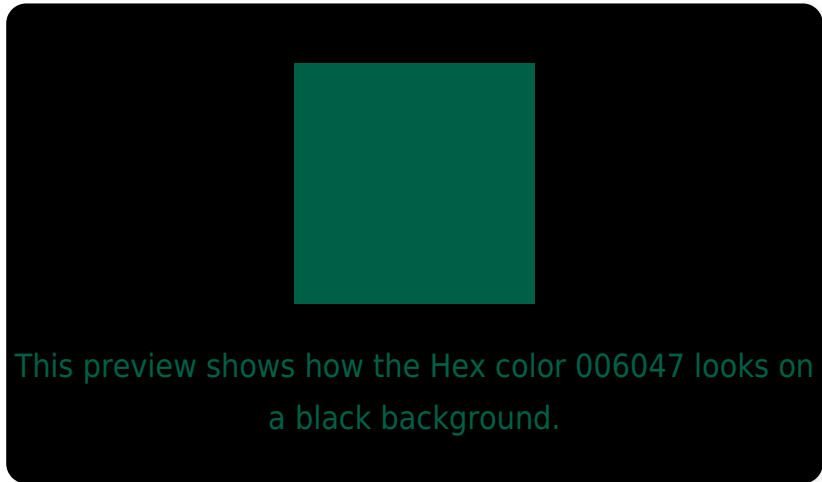
Large Text (above 18pt) WCAG AA ✓ Pass

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

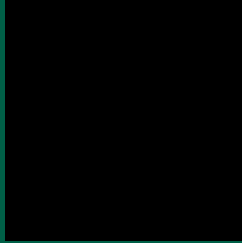
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006047 Background



This preview shows how black text looks on a background with the Hex color 006047.



This preview shows how white text looks on a background with the Hex color 006047.

# 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



**Original Color**  
006047

**Protanopia**  
595441

**Deuteranopia**  
5F514A



**Tritanopia**  
1F5C64

# Trichromacy



**Original Color**  
006047

**Protanomaly**  
395843

**Deuteranomaly**  
3C5649

**Tritanomaly**  
145D59

# Monochromacy



**Original Color**  
006047

**Achromatopsia**  
404040

**Achromatomaly**  
294C43

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006047 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 #006047 looks like.

```
.text, #text, p{  
    color:#006047  
}
```

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 #006047 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006047
}
```

## Border

The CSS property to change the border of an element to Hex 006047 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
#006047 }
```

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

```
.border{ border-color:#006047 }
```

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

Here you see how a box with a 4 pixel #006047 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006047; -webkit-box-shadow:4px 4px  
4px 4px #006047; box-shadow:4px 4px 4px  
4px #006047 }
```

# Background

The CSS property to change the background color of an element to Hex 006047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006047 }
```

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

```
.background{ background-color:#006047 }
```

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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