

# Converting Colors

Hex(006440)

Have a look what the booklet for  
Hex(006440) contains.

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# Color

**Hex(006440)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	006440
RGB	0, 100, 64
RGB Percent	0%, 39%, 25%
CMY	1.0000, 0.6078, 0.7490
CMYK	1.00, 0.00, 0.36, 0.61
HSL	158°, 100%, 20%
HSV	158°, 100%, 39%
XYZ	5.4826, 9.4845, 6.3922
YIQ	65.9960, -48.0440, -32.3960

# Conversions

## Conversions Part 2

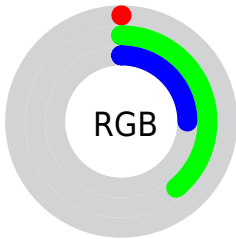
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 61, 100
Decimal	25664
CIELab	36.90, -34.83, 13.48
CIELCh	37, 37.347, 158.846
Yxy	9.4845, 0.2567, 0.4440
Android (android.graphics.Color)	4278215744 (0xFF006440)
YUV	65.9960, -0.9840, -57.8785
Hunter-Lab	30.7969, -22.1174, 9.2516

# Details

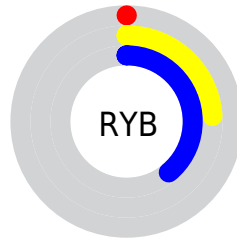
The Hex color **006440** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **640024**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **459870**, and **003415** is the 20% darker color. If you saturate the color by 10%, you get **006440**, and if you desaturate by 10%, it is **0A6444**.

# Distribution



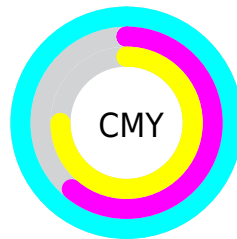
- Red (0%)
- Green (39%)
- Blue (25%)



- Red (0%)
- Yellow (24%)
- Blue (39%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (61%)



- Cyan (100%)
- Magenta (61%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006440 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 006440 by changing the saturation by 10% instead.



 006440

 006440

FFFFFF

 004B2A

 459870

 003415

 60B389

 002000

 7CCFA4

 000000

 97EBBF

 B3FFDB

 D0FFF7

 EDFFFF

 006440

 0A6444

 146447

 1E644B

 28644E

 326452

 3C6456

 466459

 50645D

 5A6460

# Harmonies

## Analogous

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



3F6025



006440



00665F

# Triad

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



006440



2D5792



894233

# Complementary

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



006440



640024

# 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.



8E3B4F



006440



644B86

# Square

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



006440



00608F



82406D



784D1D

# Rectangle

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



006440



006573



82406D



8D3F3C



# Sweetspot

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



006440



5B8274



256400



2A423A



C2C2C2



424242



# Same Dimension

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



006440



008253



005764



2E3331



007349



00F29B



# Inverse Universe

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



640024



82002F



640D00



332E30



730029



F20057



# Previews

## White Background



This preview shows how the Hex color 006440 looks on a white background.

## Color Contrast Check

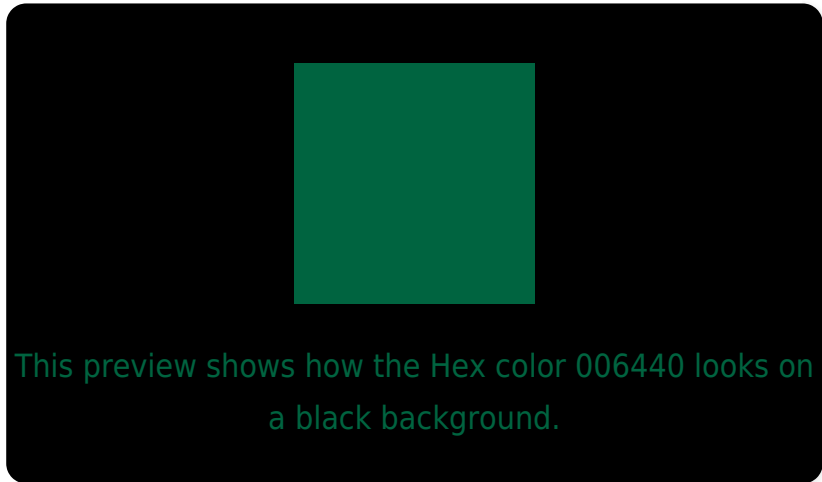
Large Text (above 18pt) WCAG AA ✓ Pass

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

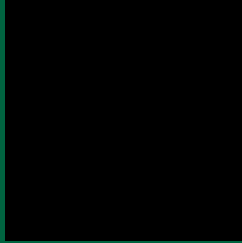
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006440 Background



This preview shows how black text looks on a background with the Hex color 006440.

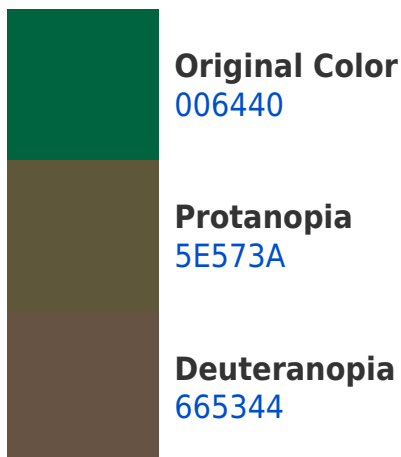


This preview shows how white text looks on a background with the Hex color 006440.

# 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**  
235F67

# Trichromacy



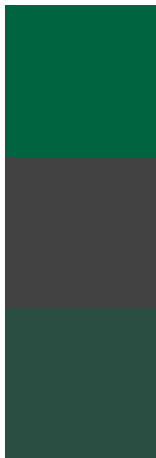
**Original Color**  
006440

**Protanomaly**  
3C5C3C

**Deuteranomaly**  
415943

**Tritanomaly**  
166159

# Monochromacy



**Original Color**  
006440

**Achromatopsia**  
424242

**Achromatomaly**  
2A4E41

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006440 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 #006440 looks like.

```
.text, #text, p{  
    color:#006440  
}
```

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 #006440 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006440
}
```

## Border

The CSS property to change the border of an element to Hex 006440 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
#006440 }
```

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

```
.border{ border-color:#006440 }
```

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

Here you see how a box with a 4 pixel #006440 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006440; -webkit-box-shadow:4px 4px  
4px 4px #006440; box-shadow:4px 4px 4px  
4px #006440 }
```

# Background

The CSS property to change the background color of an element to Hex 006440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006440 }
```

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

```
.background{ background-color:#006440 }
```

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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