

# Converting Colors

Hex(016740)

Have a look what the booklet for  
Hex(016740) contains.

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# Color

**Hex(016740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	016740
RGB	1, 103, 64
RGB Percent	0%, 40%, 25%
CMY	0.9961, 0.5961, 0.7490
CMYK	0.99, 0.00, 0.38, 0.60
HSL	157°, 98%, 20%
HSV	157°, 99%, 40%
XYZ	5.7882, 10.0771, 6.4905
YIQ	68.0560, -48.2730, -33.7530

# Conversions

## Conversions Part 2

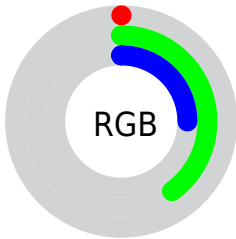
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 64, 103
Decimal	91968
CIELab	37.98, -35.96, 14.94
CIELCh	38, 38.940, 157.435
Yxy	10.0771, 0.2589, 0.4508
Android (android.graphics.Color)	4278282048 (0xFF016740)
YUV	68.0560, -1.9996, -58.8081
Hunter-Lab	31.7445, -23.0057, 10.0987

# Details

The Hex color **016740** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **670128**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **479B70**, and **003715** is the 20% darker color. If you saturate the color by 10%, you get **006740**, and if you desaturate by 10%, it is **0B6744**.

# Distribution



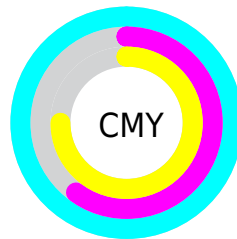
- Red (0%)
- Green (40%)
- Blue (25%)



- Red (0%)
- Yellow (25%)
- Blue (40%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)
- Black (60%)




- Cyan (100%)
- Magenta (60%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 016740 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 016740 by changing the saturation by 10% instead.



 016740

 016740

FFFFFF

 004E2A

 479B70

 003715

 62B68A

 002300

 7DD2A4


 000000

 99EFBF

 B5FFDB

 D2FFF7

 EFFFFFF

 016740

 016740

■ 006740

■ 0B6744

■ 166748

■ 20674C

■ 2A6750

■ 356754

■ 3F6758

■ 49675C

■ 536760

■ 5E6763

# Harmonies

## Analogous

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



426224



016740



006961

# Triad

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



016740



285A98



8F4335

# Complementary

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



016740



670128

# 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.



933C53



016740



654E8C

# Square

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



016740



006393



864172



7D4F1E

# Rectangle

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



016740



006876



864172



92403E



# Sweetspot

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



016740



5F8778



286701



2C453B



C4C4C4



454545



# Same Dimension

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



016740



008753



015B67



2E3331



007347



00F296



# Inverse Universe

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



670128



870034



670D01



332E30



73002C



F2005D



# Previews

## White Background



This preview shows how the Hex color 016740 looks on a white background.

## Color Contrast Check

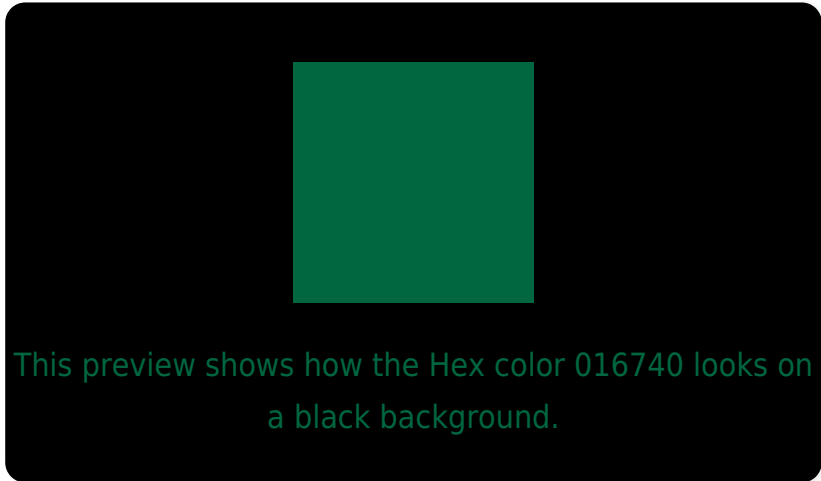
Large Text (above 18pt) WCAG AA ✓ Pass

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

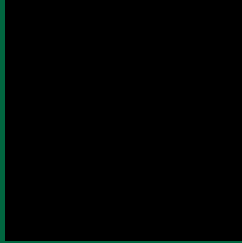
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 016740 Background



This preview shows how black text looks on a background with the Hex color 016740.



This preview shows how white text looks on a background with the Hex color 016740.

# 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**  
016740

**Protanopia**  
61593A

**Deuteranopia**  
695644



**Tritanopia**  
25626A

# Trichromacy



**Original Color**  
016740



**Protanomaly**  
3E5E3C



**Deuteranomaly**  
435C43



**Tritanomaly**  
18645B

# Monochromacy



**Original Color**  
016740



**Achromatopsia**  
444444



**Achromatomaly**  
2C5143

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 016740 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 #016740 looks like.

```
.text, #text, p{  
    color:#016740  
}
```

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 #016740 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #016740
}
```

## Border

The CSS property to change the border of an element to Hex 016740 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
#016740 }
```

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

```
.border{ border-color:#016740 }
```

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

Here you see how a box with a 4 pixel #016740 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #016740; -webkit-box-shadow:4px 4px  
4px 4px #016740; box-shadow:4px 4px 4px  
4px #016740 }
```

# Background

The CSS property to change the background color of an element to Hex 016740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#016740 }
```

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

```
.background{ background-color:#016740 }
```

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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