

# Converting Colors

Hex(004645)

Have a look what the booklet for  
Hex(004645) contains.

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# Color

**Hex(004645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004645
RGB	0, 70, 69
RGB Percent	0%, 27%, 27%
CMY	1.0000, 0.7255, 0.7294
CMYK	1.00, 0.00, 0.01, 0.73
HSL	179°, 100%, 14%
HSV	179°, 100%, 27%
XYZ	3.2643, 4.8100, 6.3866
YIQ	48.9560, -41.3990, -15.1510

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 35, 70
Decimal	17989
CIELab	26.19, -19.31, -4.97
CIELCh	26, 19.942, 194.440
Yxy	4.8100, 0.2257, 0.3326
Android (android.graphics.Color)	4278208069 (0xFF004645)
YUV	48.9560, 9.8817, -42.9344
Hunter-Lab	21.9317, -11.8123, -1.9133

# Details

The Hex color **004645** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **460001**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **3D7775**, and **001C1A** is the 20% darker color. If you saturate the color by 10%, you get **004645**, and if you desaturate by 10%, it is **074645**.

# Distribution



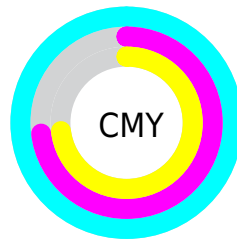
- Red (0%)
- Green (27%)
- Blue (27%)



- Red (0%)
- Yellow (14%)
- Blue (27%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (73%)



- Cyan (100%)
- Magenta (73%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004645 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 004645 by changing the saturation by 10% instead.



 004645

 004645

 FFFFFFFF

 002F2F

 3D7775

 001C1A

 57918F

 000000

 71ABA9

 8CC7C4

 A7E3E0

 C3FFFD

 DFFFFFFF

 004645

■ 074645

■ 0E4645

■ 154645

■ 1C4645

■ 234646

■ 2A4646

■ 314646

■ 384646

■ 3F4646

# Harmonies

## Analogous

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



1B4535



004645



004553

# Triad

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



004645



493754



4F3A21

# Complementary

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



004645



460001

# 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.



583529



004645



563346

# Square

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



004645



343D5B



5B3237



403F20

# Rectangle

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



004645



0B4359



5B3237



523923



# Sweetspot

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



004645



405C5B



014600



1D2E2E



ADADAD



2E2E2E



# Same Dimension

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



004645



005C5A



002446



202424



006362



00E3E0



# Inverse Universe

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



460001



5C0001



462200



242020



630001



E30003



# Previews

## White Background



This preview shows how the Hex color 004645 looks on a white background.

## Color Contrast Check

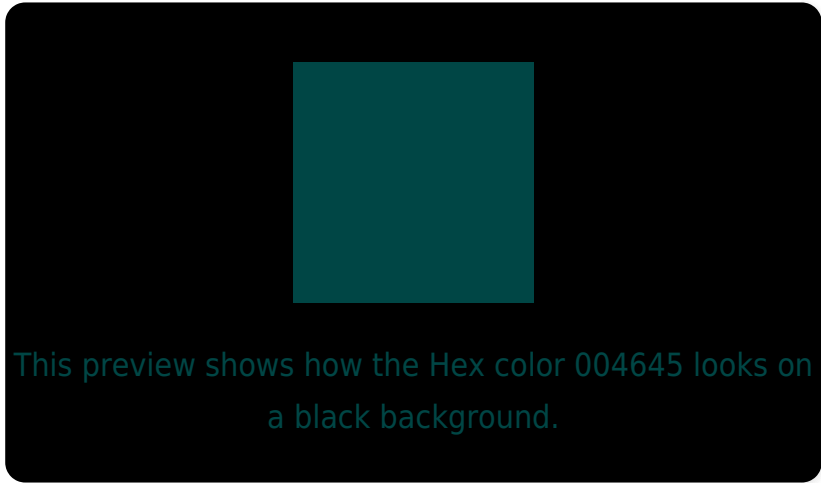
Large Text (above 18pt) WCAG AA ✓ Pass

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

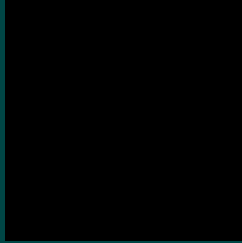
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004645 Background



This preview shows how black text looks on a background with the Hex color 004645.



This preview shows how white text looks on a background with the Hex color 004645.

# 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**  
004645

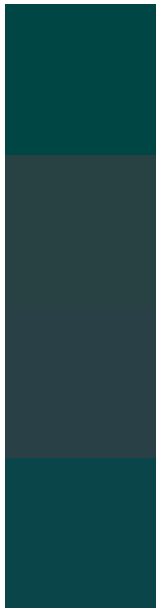
**Protanopia**  
3F3E40

**Deuteranopia**  
403D47



**Tritanopia**  
0E454B

# Trichromacy



**Original Color**  
004645

**Protanomaly**  
284142

**Deuteranomaly**  
294046

**Tritanomaly**  
094549

# Monochromacy



**Original Color**  
004645

**Achromatopsia**  
313131

**Achromatomaly**  
1F3938

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004645 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 #004645 looks like.

```
.text, #text, p{  
    color:#004645  
}
```

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 #004645 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004645  
}
```

## Border

The CSS property to change the border of an element to Hex 004645 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  
#004645 }
```

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

```
.border{ border-color:#004645 }
```

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

Here you see how a box with a 4 pixel #004645 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004645; -webkit-box-shadow:4px 4px  
4px 4px #004645; box-shadow:4px 4px 4px  
4px #004645 }
```

# Background

The CSS property to change the background color of an element to Hex 004645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004645 }
```

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

```
.background{ background-color:#004645 }
```

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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