

# Converting Colors

Hex(004C33)

Have a look what the booklet for  
Hex(004C33) contains.

<b>Hex(004C33)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(004C33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004C33
RGB	0, 76, 51
RGB Percent	0%, 30%, 20%
CMY	1.0000, 0.7020, 0.8000
CMYK	1.00, 0.00, 0.33, 0.70
HSL	160°, 100%, 15%
HSV	160°, 100%, 30%
XYZ	3.1820, 5.4079, 4.0081
YIQ	50.4260, -37.2710, -23.8870

# Conversions

## Conversions Part 2

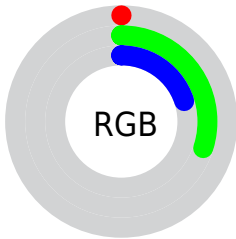
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 45, 76
Decimal	19507
CIELab	27.87, -27.93, 9.10
CIELCh	28, 29.378, 161.953
Yxy	5.4079, 0.2526, 0.4293
Android (android.graphics.Color)	4278209587 (0xFF004C33)
YUV	50.4260, 0.2830, -44.2236
Hunter-Lab	23.2549, -16.2718, 6.0595

# Details

The Hex color **004C33** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4C0019**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **3D7E61**, and **002105** is the 20% darker color. If you saturate the color by 10%, you get **004C33**, and if you desaturate by 10%, it is **084C36**.

# Distribution



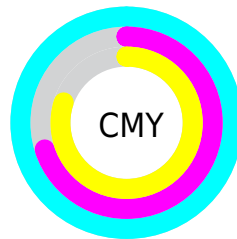
- Red (0%)
- Green (30%)
- Blue (20%)



- Red (0%)
- Yellow (18%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (70%)



- Cyan (100%)
- Magenta (70%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004C33 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 004C33 by changing the saturation by 10% instead.



 004C33

 004C33

 FCFFFF

 00351E

 3D7E61

 002105

 57987A

 000000

 71B394

 8CCEAF

 A7EBCA

 C3FFE6

 DFFFFF

 004C33

■ 084C36

■ 0F4C38

■ 174C3B

■ 1E4C3D

■ 264C40

■ 2E4C42

■ 354C45

■ 3D4C47

■ 444C4A

# Harmonies

## Analogous

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



2D491F



004C33



004D4A

# Triad

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



004C33



2A416E



673325

# Complementary

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



004C33



4C0019

# 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.



6C2E3A



004C33



4F3863

# Square

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



004C33



00486C



643050



5A3C16

# Rectangle

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



004C33



004C59



643050



6A312B



# Sweetspot

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



004C33



46635A



194C00



21332D



B3B3B3



333333



# Same Dimension

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



004C33



006343



003F4C



222625



006644



00E69A



# Inverse Universe

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



4C0019



630021



4C0D00



262224



660022

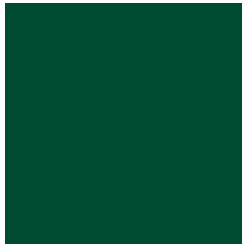


E6004B



# Previews

## White Background



This preview shows how the Hex color 004C33 looks on a white background.

## Color Contrast Check

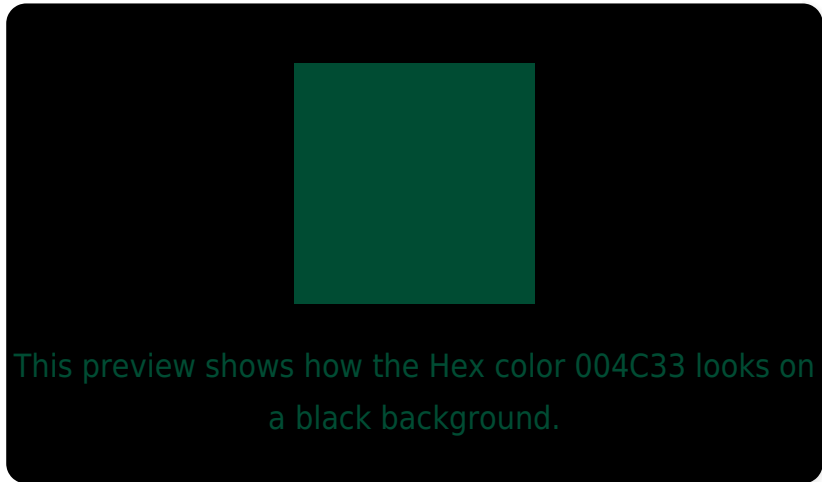
Large Text (above 18pt) WCAG AA ✓ Pass

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

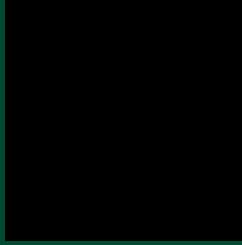
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004C33 Background



This preview shows how black text looks on a background with the Hex color 004C33.



This preview shows how white text looks on a background with the Hex color 004C33.

# 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](#).

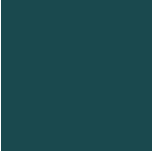
## Dichromacy



**Original Color**  
004C33

**Protanopia**  
47422F

**Deuteranopia**  
4D4036



**Tritanopia**  
1A494E

# Trichromacy



**Original Color**  
004C33

**Protanomaly**  
2D4630

**Deuteranomaly**  
314435

**Tritanomaly**  
114A44

# Monochromacy



**Original Color**  
004C33

**Achromatopsia**  
323232

**Achromatomaly**  
203B32

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004C33 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 #004C33 looks like.

```
.text, #text, p{  
    color:#004C33  
}
```

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 #004C33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004C33
}
```

## Border

The CSS property to change the border of an element to Hex 004C33 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
#004C33 }
```

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

```
.border{ border-color:#004C33 }
```

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

Here you see how a box with a 4 pixel #004C33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004C33; -webkit-box-shadow:4px 4px  
4px 4px #004C33; box-shadow:4px 4px 4px  
4px #004C33 }
```

# Background

The CSS property to change the background color of an element to Hex 004C33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004C33 }
```

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

```
.background{ background-color:#004C33 }
```

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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