

# Converting Colors

Hex(003833)

Have a look what the booklet for  
Hex(003833) contains.

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# Color

Hex(003833)

# Conversions

## Conversions Part 1

Format	Color
Hex	003833
RGB	0, 56, 51
RGB Percent	0%, 22%, 20%
CMY	1.0000, 0.7804, 0.8000
CMYK	1.00, 0.00, 0.09, 0.78
HSL	175°, 100%, 11%
HSV	175°, 100%, 22%
XYZ	2.0117, 3.0674, 3.6180
YIQ	38.6860, -31.7710, -13.4270

# Conversions

## Conversions Part 2

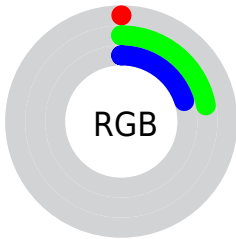
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 29, 56
Decimal	14387
CIELab	20.31, -18.21, -1.69
CIELCh	20, 18.287, 185.309
Yxy	3.0674, 0.2313, 0.3527
Android (android.graphics.Color)	4278204467 (0xFF003833)
YUV	38.6860, 6.0708, -33.9276
Hunter-Lab	17.5139, -10.1461, 0.0117

# Details

The Hex color **003833** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **380005**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **376761**, and **000205** is the 20% darker color. If you saturate the color by 10%, you get **003833**, and if you desaturate by 10%, it is **063833**.

# Distribution



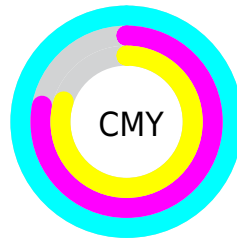
- Red (0%)
- Green (22%)
- Blue (20%)



- Red (0%)
- Yellow (11%)
- Blue (22%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (78%)



- Cyan (100%)
- Magenta (78%)
- Yellow (80%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003833 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 003833 by changing the saturation by 10% instead.



 003833

 003833

 F2FFFF

 00221E

 376761

 000205

 4F817A

 000000

 699B94

 83B6AE

 9ED1CA

 B9EEE6

 D5FFFF

 003833

■ 063833

■ 0B3834

■ 113834

■ 163835

■ 1C3835

■ 223836

■ 273837

■ 2D3837

■ 323838

# Harmonies

## Analogous

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



183725



003833



003740

# Triad

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



003833



352D47



422C19

# Complementary

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



003833



380005

# 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.



492822



003833



44283C

# Square

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



003833



20324C



4A262F



373116

# Rectangle

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



003833



003647



4A262F



452B1B



# Sweetspot

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



003833



344A48



063800



182625



A6A6A6



262626



# Same Dimension

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



003833



004A43



002238



191C1C



005C54



00DBC8



# Inverse Universe

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



380005



4A0007



381600



1C1919



5C0008



DB0014



# Previews

## White Background



This preview shows how the Hex color 003833 looks on a white background.

## Color Contrast Check

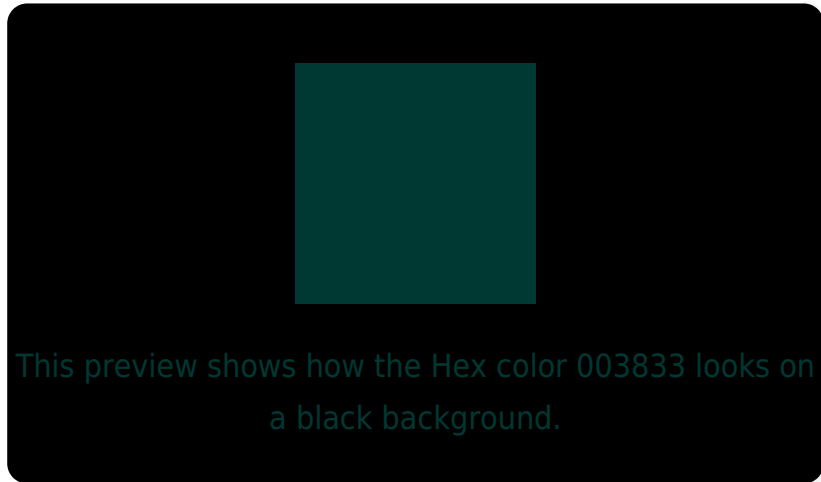
Large Text (above 18pt) WCAG AA ✓ Pass

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

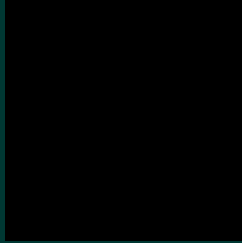
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003833 Background



This preview shows how black text looks on a background with the Hex color 003833.



This preview shows how white text looks on a background with the Hex color 003833.

# 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**  
003833

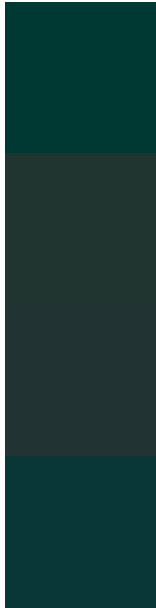
**Protanopia**  
33312F

**Deuteranopia**  
353035



**Tritanopia**  
0E373B

# Trichromacy



**Original Color**  
003833

**Protanomaly**  
203430

**Deuteranomaly**  
223334

**Tritanomaly**  
093738

# Monochromacy



**Original Color**  
003833

**Achromatopsia**  
272727

**Achromatomaly**  
192D2B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003833 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 #003833 looks like.

```
.text, #text, p{  
  color:#003833  
}
```

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 #003833 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003833
}
```

## Border

The CSS property to change the border of an element to Hex 003833 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".

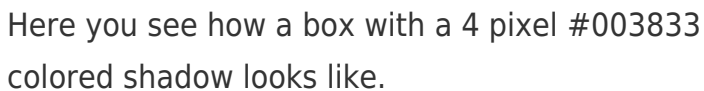
```
.border, #border, table{ border:4px solid
#003833 }
```

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

```
.border{ border-color:#003833 }
```

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

Here you see how a box with a 4 pixel #003833 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003833; -webkit-box-shadow:4px 4px  
4px 4px #003833; box-shadow:4px 4px 4px  
4px #003833 }
```

# Background

The CSS property to change the background color of an element to Hex 003833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003833 }
```

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

```
.background{ background-color:#003833 }
```

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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