

# Converting Colors

Hex(004D3B)

Have a look what the booklet for  
Hex(004D3B) contains.

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# Color

**Hex(004D3B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004D3B
RGB	0, 77, 59
RGB Percent	0%, 30%, 23%
CMY	1.0000, 0.6980, 0.7686
CMYK	1.00, 0.00, 0.23, 0.70
HSL	166°, 100%, 15%
HSV	166°, 100%, 30%
XYZ	3.4433, 5.6235, 5.0416
YIQ	51.9250, -40.1140, -21.9220

# Conversions

## Conversions Part 2

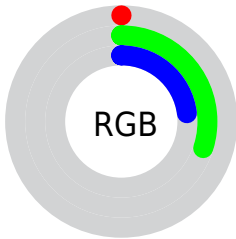
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 44, 77
Decimal	19771
CIELab	28.44, -26.12, 4.81
CIELCh	28, 26.556, 169.573
Yxy	5.6235, 0.2441, 0.3986
Android (android.graphics.Color)	4278209851 (0xFF004D3B)
YUV	51.9250, 3.4880, -45.5382
Hunter-Lab	23.7140, -15.5810, 3.9946

# Details

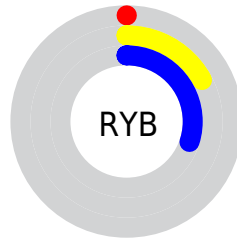
The Hex color **004D3B** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4D0012**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **3E7F6A**, and **002111** is the 20% darker color. If you saturate the color by 10%, you get **004D3B**, and if you desaturate by 10%, it is **084D3D**.

# Distribution



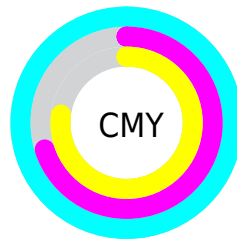
- Red (0%)
- Green (30%)
- Blue (23%)



- Red (0%)
- Yellow (17%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (70%)



- Cyan (100%)
- Magenta (70%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004D3B 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 004D3B by changing the saturation by 10% instead.



 004D3B

 004D3B

FEFFFF

 003625

 3E7F6A

 002111

 589983

 000000

 72B49D

 8DCFB8

 A8ECD4

 C4FFF0

 E1FFFF

 004D3B

■ 084D3D

■ 0F4D3F

■ 174D40

■ 1F4D42

■ 274D44

■ 2E4D46

■ 364D48

■ 3E4D49

■ 454D4B

# Harmonies

## Analogous

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



2A4B28



004D3B



004D50

# Triad

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



004D3B



39416A



633825

# Complementary

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



004D3B



4D0012

# 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.



6A3236



004D3B



55385E

# Square

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



004D3B



01476B



65334B



553F1A

# Rectangle

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



004D3B



004C5D



65334B



66362A



# Sweetspot

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



004D3B



46635C



134D00



21332F



B3B3B3



333333



# Same Dimension

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



004D3B



00634C



003A4D



222625



00664E



00E6B0



# Inverse Universe

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



4D0012



630017



4D1300



262223



660018

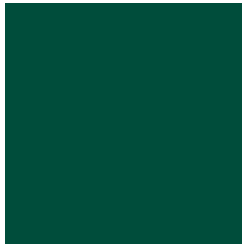


E60036



# Previews

## White Background



This preview shows how the Hex color 004D3B 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

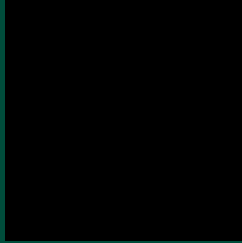
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004D3B Background



This preview shows how black text looks on a background with the Hex color 004D3B.



This preview shows how white text looks on a background with the Hex color 004D3B.

# 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](#).

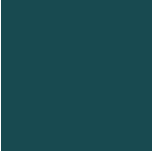
## Dichromacy



**Original Color**  
004D3B

**Protanopia**  
474336

**Deuteranopia**  
4C413E



**Tritanopia**  
184A50

# Trichromacy



**Original Color**  
004D3B

**Protanomaly**  
2D4738

**Deuteranomaly**  
30453D

**Tritanomaly**  
0F4B48

# Monochromacy



**Original Color**  
004D3B

**Achromatopsia**  
343434

**Achromatomaly**  
213D37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004D3B 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 #004D3B looks like.

```
.text, #text, p{  
  color:#004D3B  
}
```

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 #004D3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004D3B
}
```

## Border

The CSS property to change the border of an element to Hex 004D3B 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
#004D3B }
```

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

```
.border{ border-color:#004D3B }
```

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

Here you see how a box with a 4 pixel #004D3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004D3B; -webkit-box-shadow:4px 4px  
4px 4px #004D3B; box-shadow:4px 4px 4px  
4px #004D3B }
```

# Background

The CSS property to change the background color of an element to Hex 004D3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004D3B }
```

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

```
.background{ background-color:#004D3B }
```

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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