

# Converting Colors

Hex(004C2E)

Have a look what the booklet for  
Hex(004C2E) contains.

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# Color

Hex(004C2E)

# Conversions

## Conversions Part 1

Format	Color
Hex	004C2E
RGB	0, 76, 46
RGB Percent	0%, 30%, 18%
CMY	1.0000, 0.7020, 0.8196
CMYK	1.00, 0.00, 0.39, 0.70
HSL	156°, 100%, 15%
HSV	156°, 100%, 30%
XYZ	3.0776, 5.3661, 3.4583
YIQ	49.8560, -35.6660, -25.4420

# Conversions

## Conversions Part 2

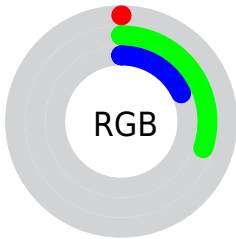
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 47, 76
Decimal	19502
CIELab	27.75, -29.23, 12.10
CIELCh	28, 31.632, 157.512
Yxy	5.3661, 0.2586, 0.4509
Android (android.graphics.Color)	4278209582 (0xFF004C2E)
YUV	49.8560, -1.9010, -43.7237
Hunter-Lab	23.1649, -16.8240, 7.3639

# Details

The Hex color **004C2E** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4C001E**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **3D7E5C**, and **002100** is the 20% darker color. If you saturate the color by 10%, you get **004C2E**, and if you desaturate by 10%, it is **084C31**.

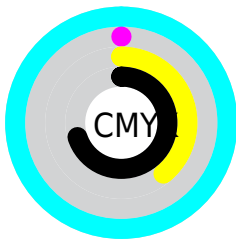
# Distribution



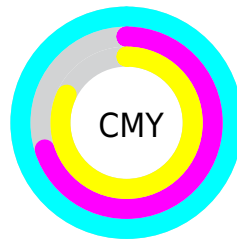
- Red (0%)
- Green (30%)
- Blue (18%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (70%)



- Cyan (100%)
- Magenta (70%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004C2E 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 004C2E by changing the saturation by 10% instead.



 004C2E

 004C2E

 FCFFFF

 003519

 3D7E5C

 002100

 579875

 000000

 71B38E

 8BCFA9

 A7EBC4

 C3FFE0

 DFFFFD

 004C2E

■ 084C31

■ 0F4C34

■ 174C37

■ 1E4C3A

■ 264C3D

■ 2E4C40

■ 354C43

■ 3D4C46

■ 444C49

# Harmonies

## Analogous

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



2F4819



004C2E



004D47

# Triad

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



004C2E



1B4272



6B3025

# Complementary

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



004C2E



4C001E

# 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.



6E2B3C



004C2E



4B3968

# Square

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



004C2E



00496E



642F55



5D3A13

# Rectangle

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



004C2E



004D57



642F55



6D2E2D



# Sweetspot

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



004C2E



466358



1E4C00



21332C



B3B3B3



333333



# Same Dimension

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



004C2E



00633C



00444C



222625



00663E



00E68B



# Inverse Universe

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



4C001E



630027



4C0800



262224



660028



E6005B



# Previews

## White Background



This preview shows how the Hex color 004C2E looks on a white background.

## Color Contrast Check

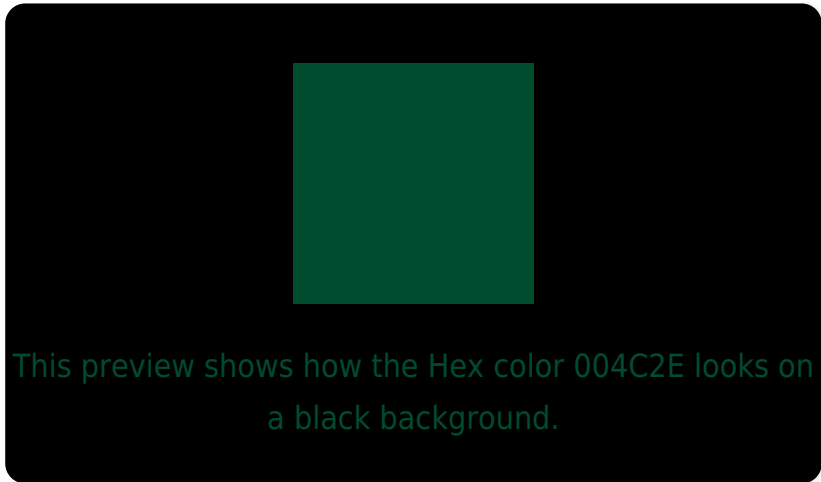
Large Text (above 18pt) WCAG AA ✓ Pass

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

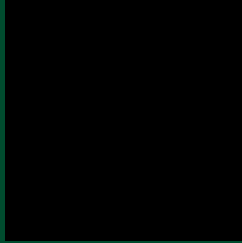
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004C2E Background



This preview shows how black text looks on a background with the Hex color 004C2E.

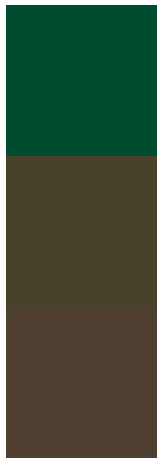


This preview shows how white text looks on a background with the Hex color 004C2E.

# 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**  
004C2E

**Protanopia**  
48422A

**Deuteranopia**  
4E3F31



**Tritanopia**  
1B484E

# Trichromacy



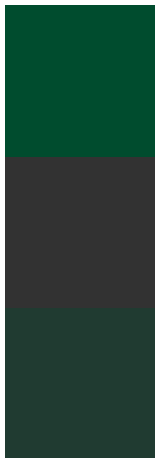
**Original Color**  
004C2E

**Protanomaly**  
2E462B

**Deuteranomaly**  
324430

**Tritanomaly**  
114942

# Monochromacy



**Original Color**  
004C2E

**Achromatopsia**  
323232

**Achromatomaly**  
203B31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004C2E 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 #004C2E looks like.

```
.text, #text, p{  
  color:#004C2E  
}
```

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 #004C2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004C2E
}
```

## Border

The CSS property to change the border of an element to Hex 004C2E 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
#004C2E }
```

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

```
.border{ border-color:#004C2E }
```

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

Here you see how a box with a 4 pixel #004C2E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004C2E; -webkit-box-shadow:4px 4px  
4px 4px #004C2E; box-shadow:4px 4px 4px  
4px #004C2E }
```

# Background

The CSS property to change the background color of an element to Hex 004C2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004C2E }
```

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

```
.background{ background-color:#004C2E }
```

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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