

Converting Colors

Hex(004C40)

Have a look what the booklet for
Hex(004C40) contains.

Hex(004C40)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(004C40)

Conversions

Conversions Part 1

Format	Color
Hex	004C40
RGB	0, 76, 64
RGB Percent	0%, 30%, 25%
CMY	1.0000, 0.7020, 0.7490
CMYK	1.00, 0.00, 0.16, 0.70
HSL	171°, 100%, 15%
HSV	171°, 100%, 30%
XYZ	3.5099, 5.5390, 5.7346
YIQ	51.9080, -41.4440, -19.8440

Conversions

Conversions Part 2

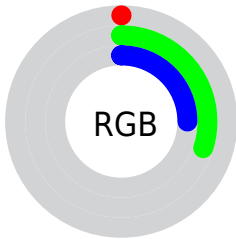
Format	Color
RYB	0, 41, 76
Decimal	19520
CIELab	28.22, -24.09, 1.27
CIELCh	28, 24.128, 176.982
Yxy	5.5390, 0.2374, 0.3747
Android (android.graphics.Color)	4278209600 (0xFF004C40)
YUV	51.9080, 5.9614, -45.5233
Hunter-Lab	23.5352, -14.5665, 2.0279

Details

The Hex color **004C40** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4C000C**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **3E7D70**, and **002016** is the 20% darker color. If you saturate the color by 10%, you get **004C40**, and if you desaturate by 10%, it is **084C41**.

Distribution



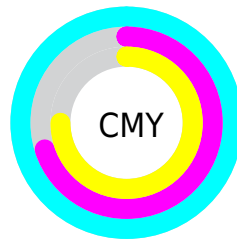
- Red (0%)
- Green (30%)
- Blue (25%)



- Red (0%)
- Yellow (16%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (70%)



- Cyan (100%)
- Magenta (70%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 004C40 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 004C40 by changing the saturation by 10% instead.

 004C40

 004C40

FEFFFF

 00352A

 3E7D70

 002016

 589889

 000000

 72B2A3

 8DCEBE

 A8EADA

 C4FFF7

 E1FFFF

 004C40

■ 084C41

■ 0F4C42

■ 174C44

■ 1E4C45

■ 264C46

■ 2E4C47

■ 354C48

■ 3D4C4A

■ 444C4B

Harmonies

Analogous

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



264A2E



004C40



004C53

Triad

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



004C40



413E64



5E3A24

Complementary

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



004C40



4C000C

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.



653533



004C40



583857

Square

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



004C40



1F4567



643345



50411D

Rectangle

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



004C40



004B5D



643345



613828

Sweetspot

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



004C40



46635F



0D4C00



213330



B3B3B3



333333

Same Dimension

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



004C40



006354



00334C



222626



006656



00E6C1

Inverse Universe

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



4C000C



630010



4C1900



262223



660010



E60024

Previews

White Background



This preview shows how the Hex color 004C40 looks on a white background.

Color Contrast Check

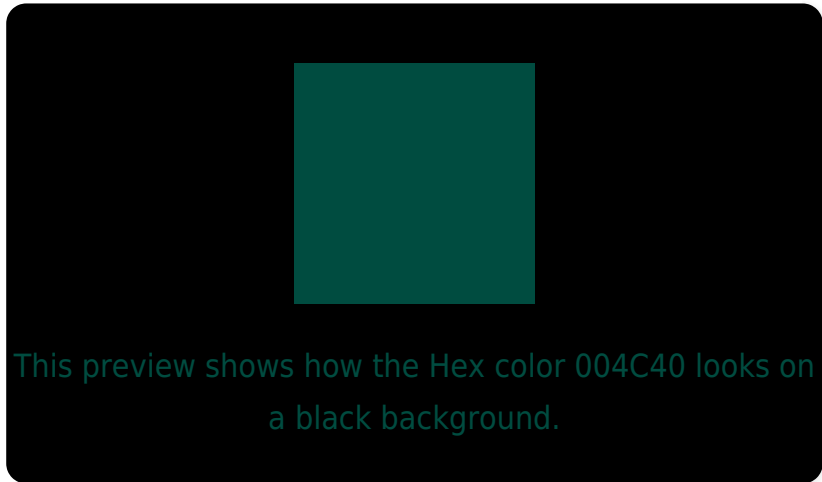
Large Text (above 18pt) WCAG AA ✓ Pass

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

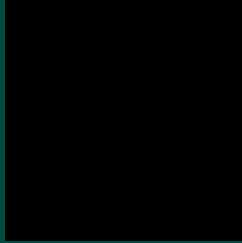
Any Text WCAG AA × Fail

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 004C40 Background



This preview shows how black text looks on a background with the Hex color 004C40.



This preview shows how white text looks on a background with the Hex color 004C40.

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](#).

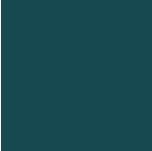
Dichromacy



Original Color
004C40

Protanopia
46433B

Deuteranopia
494142



Tritanopia
164A50

Trichromacy



Original Color
004C40

Protanomaly
2D463D

Deuteranomaly
2E4541

Tritanomaly
0E4B4A

Monochromacy



Original Color
004C40

Achromatopsia
343434

Achromatomaly
213D38

CSS Examples

Text

The CSS property to change the color of the text to Hex 004C40 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 #004C40 looks like.

```
.text, #text, p{  
    color:#004C40  
}
```

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 #004C40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004C40
}
```

Border

The CSS property to change the border of an element to Hex 004C40 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
#004C40 }
```

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

```
.border{ border-color:#004C40 }
```

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

Here you see how a box with a 4 pixel #004C40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004C40; -webkit-box-shadow:4px 4px  
4px 4px #004C40; box-shadow:4px 4px 4px  
4px #004C40 }
```

Background

The CSS property to change the background color of an element to Hex 004C40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004C40 }
```

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

```
.background{ background-color:#004C40 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor