

Converting Colors

Hex(004740)

Have a look what the booklet for
Hex(004740) contains.

Hex(004740)	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(004740)

Conversions

Conversions Part 1

Format	Color
Hex	004740
RGB	0, 71, 64
RGB Percent	0%, 28%, 25%
CMY	1.0000, 0.7216, 0.7490
CMYK	1.00, 0.00, 0.10, 0.72
HSL	174°, 100%, 14%
HSV	174°, 100%, 28%
XYZ	3.1787, 4.8766, 5.6242
YIQ	48.9730, -40.0690, -17.2290

Conversions

Conversions Part 2

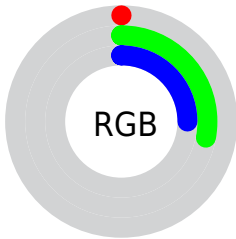
Format	Color
RYB	0, 37, 71
Decimal	18240
CIELab	26.38, -21.58, -1.41
CIELCh	26, 21.629, 183.750
Yxy	4.8766, 0.2324, 0.3565
Android (android.graphics.Color)	4278208320 (0xFF004740)
YUV	48.9730, 7.4083, -42.9493
Hunter-Lab	22.0831, -12.9521, 0.3579

Details

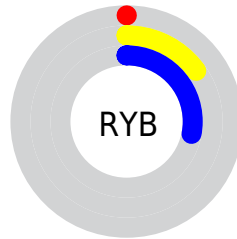
The Hex color **004740** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **470007**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **3C7870**, and **001D16** is the 20% darker color. If you saturate the color by 10%, you get **004740**, and if you desaturate by 10%, it is **074741**.

Distribution



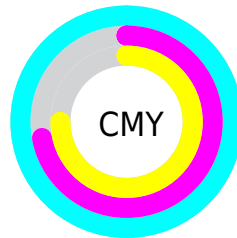
- Red (0%)
- Green (28%)
- Blue (25%)



- Red (0%)
- Yellow (15%)
- Blue (28%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (72%)



- Cyan (100%)
- Magenta (72%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 004740 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 004740 by changing the saturation by 10% instead.

 004740

 004740

 FCFFF

 00302A

 3C7870

 001D16

 569289

 000000

 70ADA3

 8BC8BE

 A6E4DA

 C2FFF7

 DFFFF

 004740

■ 074741

■ 0E4741

■ 154742

■ 1C4743

■ 244743

■ 2B4744

■ 324745

■ 394746

■ 404746

Harmonies

Analogous

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



21462F



004740



004650

Triad

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



004740



43395A



543821

Complementary

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



004740



470007

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.



5D332D



004740



55344D

Square

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



004740



283F5F



5D313D



473E1D

Rectangle

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



004740



004559



5D313D



583624

Sweetspot

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



004740



405C59



074700



1D2E2C



ADADAD



2E2E2E

Same Dimension

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



004740



005C53



002B47



202423



00635A



00E3CD

Inverse Universe

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



470007



5C0009



471C00



242020



63000A



E30016

Previews

White Background



This preview shows how the Hex color 004740 looks on a white background.

Color Contrast Check

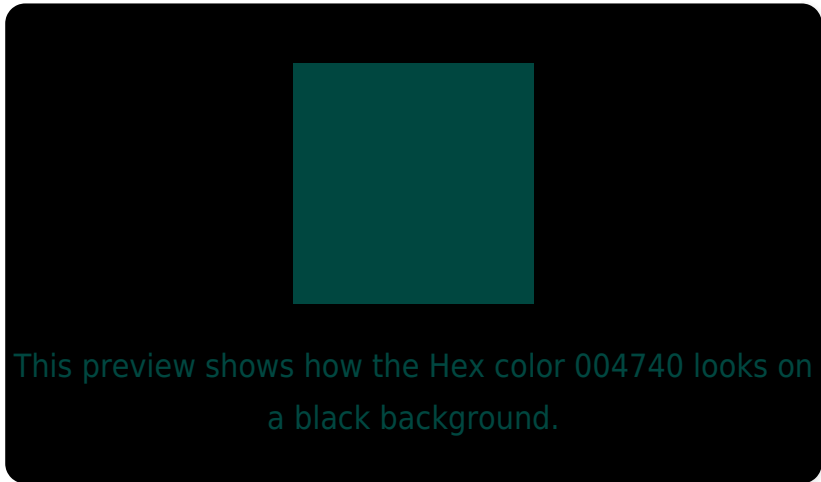
Large Text (above 18pt) WCAG AA ✓ Pass

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

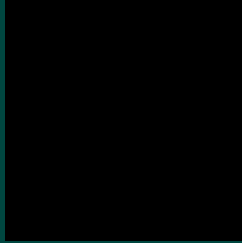
Any Text WCAG AA × Fail

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 004740 Background



This preview shows how black text looks on a background with the Hex color 004740.



This preview shows how white text looks on a background with the Hex color 004740.

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
004740

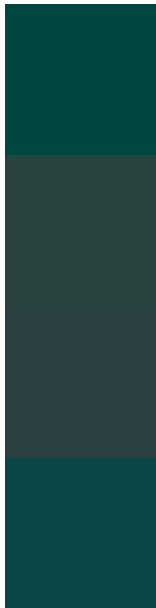
Protanopia
413F3B

Deuteranopia
433D42



Tritanopia
12454B

Trichromacy



Original Color
004740

Protanomaly
29423D

Deuteranomaly
2B4141

Tritanomaly
0B4647

Monochromacy



Original Color
004740

Achromatopsia
313131

Achromatomaly
1F3936

CSS Examples

Text

The CSS property to change the color of the text to Hex 004740 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 #004740 looks like.

```
.text, #text, p{  
    color:#004740  
}
```

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 #004740 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004740
}
```

Border

The CSS property to change the border of an element to Hex 004740 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
#004740 }
```

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

```
.border{ border-color:#004740 }
```

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

Here you see how a box with a 4 pixel #004740 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004740; -webkit-box-shadow:4px 4px  
4px 4px #004740; box-shadow:4px 4px 4px  
4px #004740 }
```

Background

The CSS property to change the background color of an element to Hex 004740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004740 }
```

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

```
.background{ background-color:#004740 }
```

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