

# Converting Colors

Hex(00744B)

Have a look what the booklet for  
Hex(00744B) contains.

<b>Hex(00744B)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(00744B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00744B
RGB	0, 116, 75
RGB Percent	0%, 45%, 29%
CMY	1.0000, 0.5451, 0.7059
CMYK	1.00, 0.00, 0.35, 0.55
HSL	159°, 100%, 23%
HSV	159°, 100%, 45%
XYZ	7.5154, 12.9988, 8.7695
YIQ	76.6420, -55.9750, -37.3430

# Conversions

## Conversions Part 2

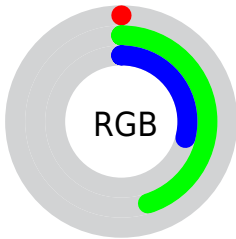
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 70, 116
Decimal	29771
CIELab	42.76, -38.68, 14.94
CIELCh	43, 41.462, 158.877
Yxy	12.9988, 0.2566, 0.4439
Android (android.graphics.Color)	4278219851 (0xFF00744B)
YUV	76.6420, -0.8095, -67.2150
Hunter-Lab	36.0538, -25.8860, 10.8163

# Details

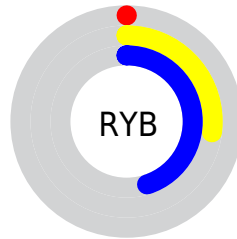
The Hex color **00744B** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **740029**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **4BA97C**, and **00421F** is the 20% darker color. If you saturate the color by 10%, you get **00744B**, and if you desaturate by 10%, it is **0C744F**.

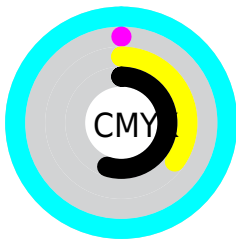
# Distribution



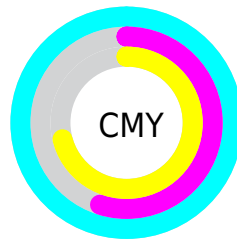
- Red (0%)
- Green (45%)
- Blue (29%)



- Red (0%)
- Yellow (27%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00744B 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 00744B by changing the saturation by 10% instead.



 00744B

 00744B

FFFFFF

 005B34

 4BA97C

 00421F

 67C596

 002C08

 83E1B1

 001100

 9FFECC

 000000

 BBFFE8

 D8FFFF

 F5FFFF

 00744B

 0C744F

 177453

 237457

 2E745B

 3A7460

 467464

 517468

 5D746C

 687470

# Harmonies

## Analogous

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



496F2D



00744B



00766E

# Triad

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



00744B



3565A9



9F4D3C

# Complementary

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



00744B



740029

# 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.



A4465C



00744B



74589B

# Square

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



00744B



006FA5



964A7E



8B5A23

# Rectangle

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



00744B



007585



964A7E



A24A46



# Sweetspot

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



00744B



699686



2B7400



314D43



CCCCCC



4D4D4D



# Same Dimension

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



00744B



009661



006574



353B39



007A4F



00FAA2



# Inverse Universe

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



740029



960035



740F00



3B3537



7A002B



FA0058



# Previews

## White Background



This preview shows how the Hex color 00744B looks on a white background.

### Color Contrast Check

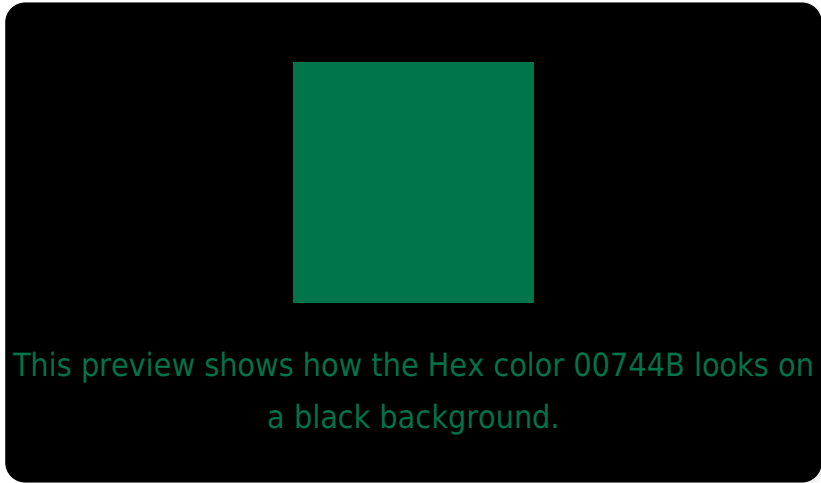
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 00744B Background



This preview shows how black text looks on a background with the Hex color 00744B.



This preview shows how white text looks on a background with the Hex color 00744B.

# 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**  
00744B

**Protanopia**  
6D6545

**Deuteranopia**  
76614F



**Tritanopia**  
296F78

# Trichromacy



**Original Color**  
00744B



**Protanomaly**  
456A47



**Deuteranomaly**  
4B684E



**Tritanomaly**  
1A7168

# Monochromacy



**Original Color**  
00744B



**Achromatopsia**  
4D4D4D



**Achromatomaly**  
315B4C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00744B 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 #00744B looks like.

```
.text, #text, p{  
    color:#00744B  
}
```

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 #00744B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00744B
}
```

## Border

The CSS property to change the border of an element to Hex 00744B 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
#00744B }
```

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

```
.border{ border-color:#00744B }
```

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

Here you see how a box with a 4 pixel #00744B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00744B; -webkit-box-shadow:4px 4px  
4px 4px #00744B; box-shadow:4px 4px 4px  
4px #00744B }
```

# Background

The CSS property to change the background color of an element to Hex 00744B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00744B }
```

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

```
.background{ background-color:#00744B }
```

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