

# Converting Colors

Hex(00643E)

Have a look what the booklet for  
Hex(00643E) contains.

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# Color

Hex(00643E)

# Conversions

## Conversions Part 1

Format	Color
Hex	00643E
RGB	0, 100, 62
RGB Percent	0%, 39%, 24%
CMY	1.0000, 0.6078, 0.7569
CMYK	1.00, 0.00, 0.38, 0.61
HSL	157°, 100%, 20%
HSV	157°, 100%, 39%
XYZ	5.4267, 9.4621, 6.0978
YIQ	65.7680, -47.4020, -33.0180

# Conversions

## Conversions Part 2

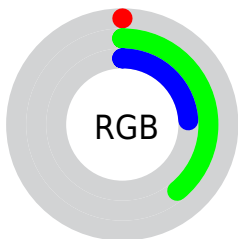
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 62, 100
Decimal	25662
CIELab	36.86, -35.31, 14.62
CIELCh	37, 38.216, 157.511
Yxy	9.4621, 0.2586, 0.4509
Android (android.graphics.Color)	4278215742 (0xFF00643E)
YUV	65.7680, -1.8576, -57.6785
Hunter-Lab	30.7606, -22.3407, 9.7791

# Details

The Hex color **00643E** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **640026**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **45986E**, and **003413** is the 20% darker color. If you saturate the color by 10%, you get **00643E**, and if you desaturate by 10%, it is **0A6442**.

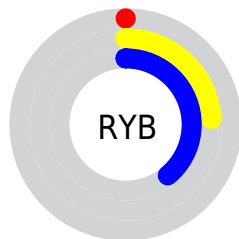
# Distribution



Red (0%)

Green (39%)

Blue (24%)



Red (0%)

Yellow (24%)

Blue (39%)

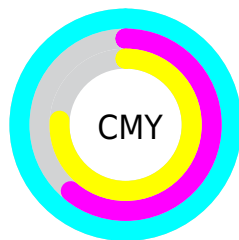


Cyan (100%)

Magenta (0%)

Yellow (38%)

Black (61%)



Cyan (100%)

Magenta (61%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00643E 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 00643E by changing the saturation by 10% instead.



 00643E

 00643E

FFFFFF

 004B28

 45986E

 003413

 60B387

 002000

 7CCFA2

 000000

 97EBBD

 B3FFD8

 D0FFF5

 EDFFFF

 00643E

■ 0A6442

■ 146446

■ 1E6449

■ 28644D

■ 326451

■ 3C6455

■ 466459

■ 50645C

■ 5A6460

# Harmonies

## Analogous

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



3F5F23



00643E



00665E

# Triad

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



00643E



265894



8B4133

# Complementary

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



00643E



640026

# 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.



8F3A50



00643E



624B88

# Square

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



00643E



00608F



823F6F



7A4D1C

# Rectangle

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



00643E



006572



823F6F



8E3E3C



# Sweetspot

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



00643E



5B8273



266400



2A4239



C2C2C2



424242



# Same Dimension

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



00643E



008251



005864



2E3331



007347



00F296



# Inverse Universe

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



640026



820031



640C00



332E30



73002C



F2005C



# Previews

## White Background



This preview shows how the Hex color 00643E looks on a white background.

## Color Contrast Check

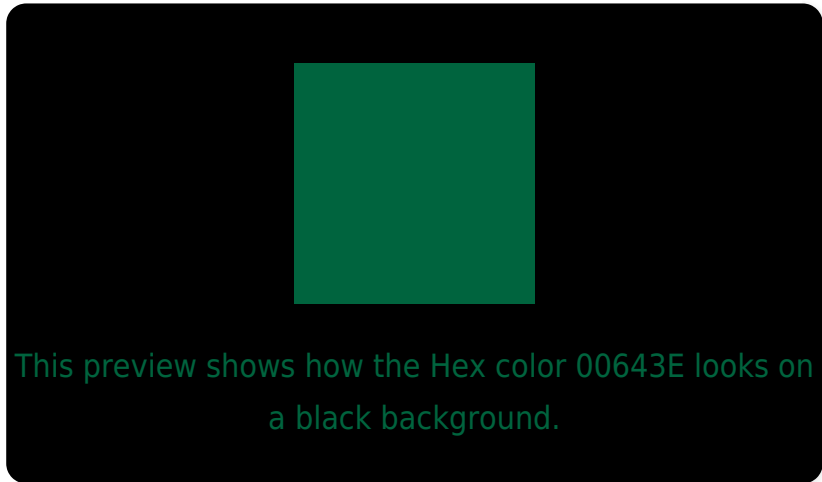
Large Text (above 18pt) WCAG AA ✓ Pass

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 00643E Background



This preview shows how black text looks on a background with the Hex color 00643E.

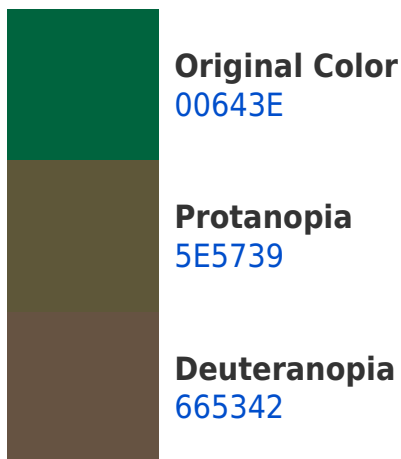


This preview shows how white text looks on a background with the Hex color 00643E.

# 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





**Tritanopia**  
245F67

# Trichromacy



**Original Color**  
00643E



**Protanomaly**  
3C5C3B



**Deuteranomaly**  
415941



**Tritanomaly**  
176158

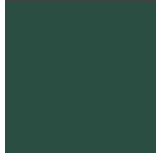
# Monochromacy



**Original Color**  
00643E



**Achromatopsia**  
424242



**Achromatomaly**  
2A4E41

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00643E 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 #00643E looks like.

```
.text, #text, p{  
    color:#00643E  
}
```

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 #00643E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00643E
}
```

## Border

The CSS property to change the border of an element to Hex 00643E 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
#00643E }
```

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

```
.border{ border-color:#00643E }
```

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

Here you see how a box with a 4 pixel #00643E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00643E; -webkit-box-shadow:4px 4px  
4px 4px #00643E; box-shadow:4px 4px 4px  
4px #00643E }
```

# Background

The CSS property to change the background color of an element to Hex 00643E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00643E }
```

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

```
.background{ background-color:#00643E }
```

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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