

# Converting Colors

Hex(00583D)

Have a look what the booklet for  
Hex(00583D) contains.

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# Color

**Hex(00583D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00583D
RGB	0, 88, 61
RGB Percent	0%, 35%, 24%
CMY	1.0000, 0.6549, 0.7608
CMYK	1.00, 0.00, 0.31, 0.65
HSL	162°, 100%, 17%
HSV	162°, 100%, 35%
XYZ	4.3320, 7.3164, 5.5988
YIQ	58.6100, -43.7810, -27.0530

# Conversions

## Conversions Part 2

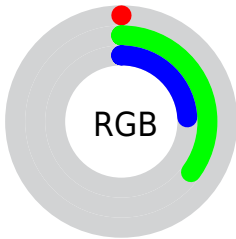
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 52, 88
Decimal	22589
CIELab	32.52, -30.52, 9.28
CIELCh	33, 31.899, 163.092
Yxy	7.3164, 0.2512, 0.4242
Android (android.graphics.Color)	4278212669 (0xFF00583D)
YUV	58.6100, 1.1783, -51.4010
Hunter-Lab	27.0488, -18.7475, 6.6619

# Details

The Hex color **00583D** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **58001B**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **418B6C**, and **002A13** is the 20% darker color. If you saturate the color by 10%, you get **00583D**, and if you desaturate by 10%, it is **095840**.

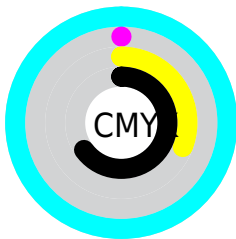
# Distribution



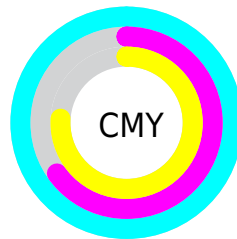
- Red (0%)
- Green (35%)
- Blue (24%)



- Red (0%)
- Yellow (20%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (65%)



- Cyan (100%)
- Magenta (65%)
- Yellow (76%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00583D 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 00583D by changing the saturation by 10% instead.



 00583D

 00583D

FFFFFF

 004027

 418B6C

 002A13

 5CA586

 001000

 77C1A0

 000000

 92DDBB

 ADFAD7

 CAFFF3

 E6FFFF

 00583D

■ 095840

■ 125842

■ 1A5845

■ 235848

■ 2C584B

■ 35584D

■ 3E5850

■ 465853

■ 4F5855

# Harmonies

## Analogous

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



345526



00583D



005957

# Triad

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



00583D



344B7D



763D2B

# Complementary

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



00583D



58001B

# 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.



7B3742



00583D



5C4171

# Square

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



00583D



00537C



73395C



66461B

# Rectangle

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



00583D



005867



73395C



793A32



# Sweetspot

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



00583D



507368



1C5800



263B34



BABABA



3B3B3B



# Same Dimension

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



00583D



007350



004858



272B2A



006B4A



00EBA3



# Inverse Universe

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



58001B



730023



581000



2B2728



6B0021



EB0048



# Previews

## White Background



This preview shows how the Hex color 00583D looks on a white background.

## Color Contrast Check

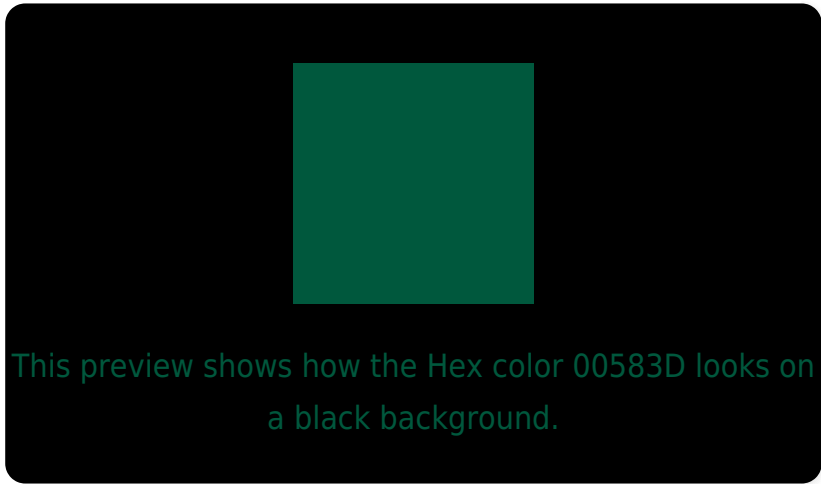
Large Text (above 18pt) WCAG AA ✓ Pass

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

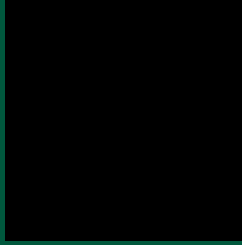
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00583D Background



This preview shows how black text looks on a background with the Hex color 00583D.



This preview shows how white text looks on a background with the Hex color 00583D.

# 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**  
00583D

**Protanopia**  
524D38

**Deuteranopia**  
584A40



**Tritanopia**  
1E545B

# Trichromacy



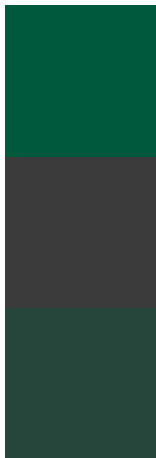
**Original Color**  
00583D

**Protanomaly**  
34513A

**Deuteranomaly**  
384F3F

**Tritanomaly**  
135550

# Monochromacy



**Original Color**  
00583D

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
26463C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00583D 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 #00583D looks like.

```
.text, #text, p{  
    color:#00583D  
}
```

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 #00583D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00583D
}
```

## Border

The CSS property to change the border of an element to Hex 00583D 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
#00583D }
```

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

```
.border{ border-color:#00583D }
```

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

Here you see how a box with a 4 pixel #00583D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00583D; -webkit-box-shadow:4px 4px  
4px 4px #00583D; box-shadow:4px 4px 4px  
4px #00583D }
```

# Background

The CSS property to change the background color of an element to Hex 00583D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00583D }
```

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

```
.background{ background-color:#00583D }
```

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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