

# Converting Colors

Hex(3C7853)

Have a look what the booklet for  
Hex(3C7853) contains.

<b>Hex(3C7853)</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(3C7853)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C7853
RGB	60, 120, 83
RGB Percent	24%, 47%, 33%
CMY	0.7647, 0.5294, 0.6745
CMYK	0.50, 0.00, 0.31, 0.53
HSL	143°, 33%, 35%
HSV	143°, 50%, 47%
XYZ	10.1413, 15.0181, 10.5479
YIQ	97.8420, -23.8830, -24.2270

# Conversions

## Conversions Part 2

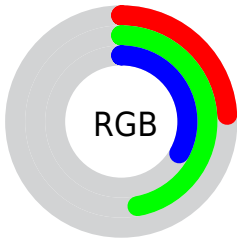
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 103, 120
Decimal	3962963
CIE <sub>Lab</sub>	45.66, -28.62, 14.45
CIE <sub>LCh</sub>	46, 32.065, 153.206
Yxy	15.0181, 0.2840, 0.4206
Android (android.graphics.Color)	4282153043 (0xFF3C7853)
YUV	97.8420, -7.3171, -33.1874
Hunter-Lab	38.7532, -21.1067, 10.9896

# Details

The Hex color **3C7853** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **783C61**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **6FAD85**, and **024726** is the 20% darker color. If you saturate the color by 10%, you get **30784C**, and if you desaturate by 10%, it is **48785A**.

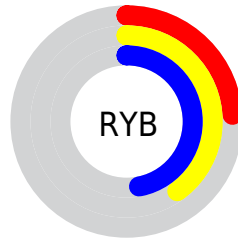
# Distribution



Red (24%)

Green (47%)

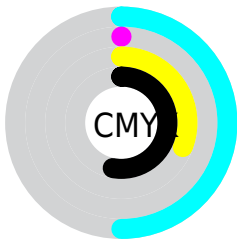
Blue (33%)



Red (24%)

Yellow (40%)

Blue (47%)

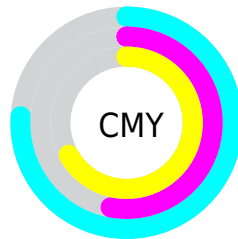


Cyan (50%)

Magenta (0%)

Yellow (31%)

Black (53%)



Cyan (76%)

Magenta (53%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3C7853 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 3C7853 by changing the saturation by 10% instead.



 3C7853

 3C7853

FFFFFF

 225F3C

 6FAD85

 024726

 8AC89F

 003011

 A5E5BA

 001C00

 C1FFD6

 000000

 DDFFF2

 FAFFFF

 3C7853

 3C7853

 30784C

 48785A

■ 247844

■ 547862

■ 18783D

■ 607869

■ 0C7835

■ 6C7871

■ 00782E

■ 787878

■ 84787F

■ 907887

■ 9C788E

■ A87896

# Harmonies

## Analogous

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



5E733E



3C7853



007A6E

# Triad

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



3C7853



466EA1



9D5A50

# Complementary

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



3C7853



783C61

# 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.



9E566A



3C7853



726499

# Square

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



3C7853



00759B



905B85



90623D

# Rectangle

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



3C7853



007A80



905B85



9F5858



# Sweetspot

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



3C7853



849C8D



61783C



414F46



CFCFCF



4F4F4F



# Same Dimension

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



3C7853



3E9C62



3C7871



373D39



007D30



00FC61



# Inverse Universe

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



783C61



9C3E78



783C43



3D373B



7D004D

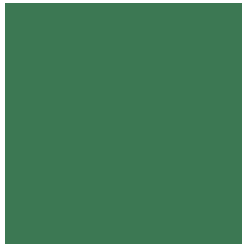


FC009C



# Previews

## White Background



This preview shows how the Hex color 3C7853 looks on a white background.

## Color Contrast Check

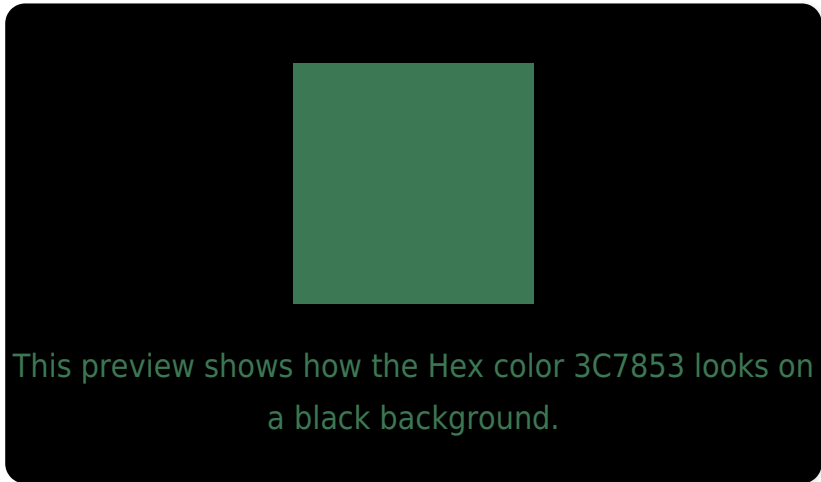
Large Text (above 18pt) WCAG AA ✓ Pass

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

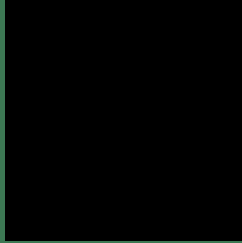
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3C7853 Background



This preview shows how black text looks on a background with the Hex color 3C7853.



This preview shows how white text looks on a background with the Hex color 3C7853.

# 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**  
3C7853

**Protanopia**  
746B4D

**Deuteranopia**  
7D6757



**Tritanopia**  
47737C

# Trichromacy



**Original Color**  
3C7853

**Protanomaly**  
60704F

**Deuteranomaly**  
656D56

**Tritanomaly**  
43756D

# Monochromacy



**Original Color**  
3C7853

**Achromatopsia**  
626262

**Achromatomaly**  
546A5D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3C7853 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 #3C7853 looks like.

```
.text, #text, p{  
    color:#3C7853  
}
```

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 #3C7853 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3C7853
}
```

## Border

The CSS property to change the border of an element to Hex 3C7853 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
#3C7853 }
```

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

```
.border{ border-color:#3C7853 }
```

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

Here you see how a box with a 4 pixel #3C7853 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3C7853; -webkit-box-shadow:4px 4px  
4px 4px #3C7853; box-shadow:4px 4px 4px  
4px #3C7853 }
```

# Background

The CSS property to change the background color of an element to Hex 3C7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3C7853 }
```

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

```
.background{ background-color:#3C7853 }
```

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