

# Converting Colors

Hex(31683E)

Have a look what the booklet for  
Hex(31683E) contains.

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# Color

Hex(31683E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31683E
RGB	49, 104, 62
RGB Percent	19%, 41%, 24%
CMY	0.8078, 0.5922, 0.7569
CMYK	0.53, 0.00, 0.40, 0.59
HSL	134°, 36%, 30%
HSV	134°, 53%, 41%
XYZ	7.0864, 10.9014, 6.2881
YIQ	82.7670, -19.2980, -24.7220

# Conversions

## Conversions Part 2

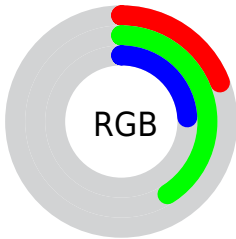
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 93, 104
Decimal	3237950
CIELab	39.41, -28.41, 18.23
CIELCh	39, 33.759, 147.307
Yxy	10.9014, 0.2919, 0.4491
Android (android.graphics.Color)	4281428030 (0xFF31683E)
YUV	82.7670, -10.2381, -29.6137
Hunter-Lab	33.0173, -19.4691, 11.8203

# Details

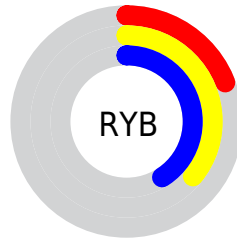
The Hex color **31683E** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **68315B**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **639C6E**, and **003813** is the 20% darker color. If you saturate the color by 10%, you get **276836**, and if you desaturate by 10%, it is **3B6846**.

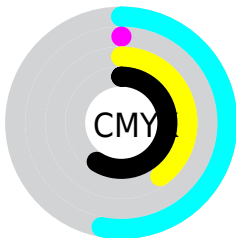
# Distribution



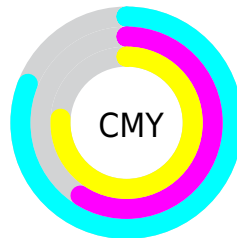
- Red (19%)
- Green (41%)
- Blue (24%)



- Red (19%)
- Yellow (36%)
- Blue (41%)



- Cyan (53%)
- Magenta (0%)
- Yellow (40%)
- Black (59%)




- Cyan (81%)
- Magenta (59%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 31683E 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 31683E by changing the saturation by 10% instead.



 31683E

 31683E

FFFFFF

 175028

 639C6E

 003813

 7EB787

 002300


 98D3A2

 000000

 B4EFBD

 D0FFD9

 ECFFF5

 31683E

 31683E

 276836

 3B6846

■ 1C682E

■ 46684E

■ 126826

■ 506856

■ 07681E

■ 5B685E

■ 006819

■ 656866

■ 6F686E

■ 7A6876

■ 84687E

■ 8F6885

# Harmonies

## Analogous

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



54632A



31683E



006B59

# Triad

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



31683E



216194



8F4845

# Complementary

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



31683E



68315B

# 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.



8E4660



31683E



5B578E

# Square

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



31683E



00678B



7C4C7B



84502F

# Rectangle

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



31683E



006B6C



7C4C7B



90464E



# Sweetspot

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



31683E



728777



5B6831



38453B



C4C4C4



454545



# Same Dimension

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



31683E



328746



316859



2E332F



00731B



00F239



# Inverse Universe

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



68315B



873273



683140



332E32



730058

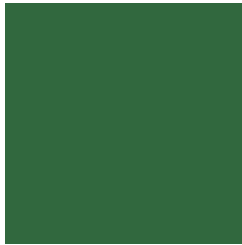


F200B9



# Previews

## White Background



This preview shows how the Hex color 31683E looks on a white background.

## Color Contrast Check

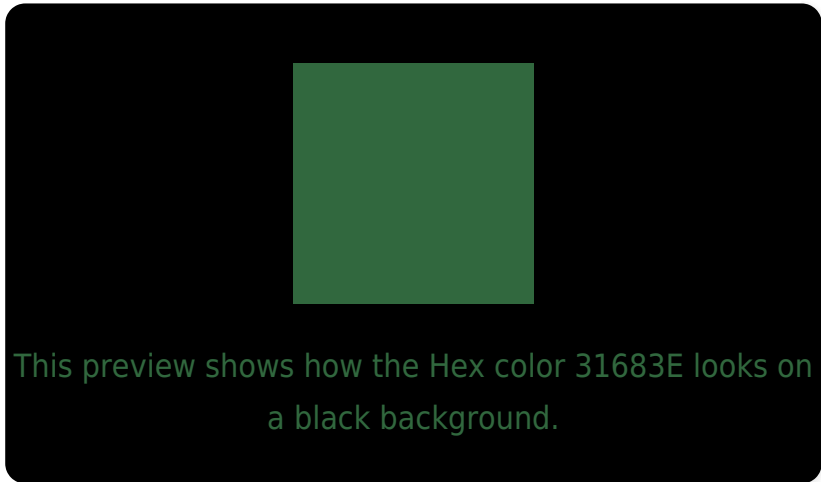
Large Text (above 18pt) WCAG AA ✓ Pass

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

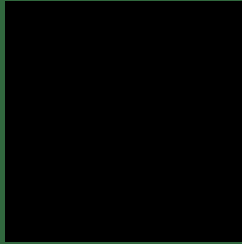
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31683E Background



This preview shows how black text looks on a background with the Hex color 31683E.



This preview shows how white text looks on a background with the Hex color 31683E.

# 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**  
31683E

**Protanopia**  
655C39

**Deuteranopia**  
6E5842



**Tritanopia**  
3C636B

# Trichromacy



**Original Color**  
31683E

**Protanomaly**  
52603B

**Deuteranomaly**  
585E41

**Tritanomaly**  
38655B

# Monochromacy



**Original Color**  
31683E

**Achromatopsia**  
535353

**Achromatomaly**  
475B4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31683E 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 #31683E looks like.

```
.text, #text, p{  
    color:#31683E  
}
```

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 #31683E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31683E
}
```

## Border

The CSS property to change the border of an element to Hex 31683E 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".

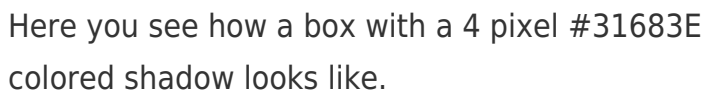
```
.border, #border, table{ border:4px solid
#31683E }
```

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

```
.border{ border-color:#31683E }
```

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

Here you see how a box with a 4 pixel #31683E colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31683E; -webkit-box-shadow:4px 4px  
4px 4px #31683E; box-shadow:4px 4px 4px  
4px #31683E }
```

# Background

The CSS property to change the background color of an element to Hex 31683E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31683E }
```

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

```
.background{ background-color:#31683E }
```

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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