

# Converting Colors

Hex(687D67)

Have a look what the booklet for  
Hex(687D67) contains.

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# Color

Hex(687D67)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	687D67
RGB	104, 125, 103
RGB Percent	41%, 49%, 40%
CMY	0.5922, 0.5098, 0.5961
CMYK	0.17, 0.00, 0.18, 0.51
HSL	117°, 10%, 45%
HSV	117°, 18%, 49%
XYZ	15.4907, 18.5896, 15.6037
YIQ	116.2130, -5.4540, -11.2940

# Conversions

## Conversions Part 2

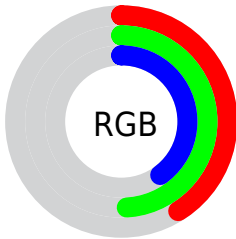
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 125, 124
Decimal	6847847
CIE <sub>Lab</sub>	50.20, -12.24, 9.48
CIE <sub>LCh</sub>	50, 15.486, 142.242
Yxy	18.5896, 0.3118, 0.3742
Android (android.graphics.Color)	4285037927 (0xFF687D67)
YUV	116.2130, -6.5140, -10.7108
Hunter-Lab	43.1156, -11.3203, 8.7237

# Details

The Hex color **687D67** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7C677D**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **9BB29A**, and **394C38** is the 20% darker color. If you saturate the color by 10%, you get **5C7D5A**, and if you desaturate by 10%, it is **747D74**.

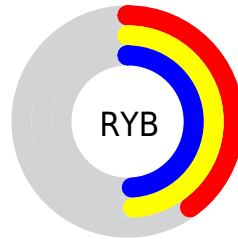
# Distribution



Red (41%)

Green (49%)

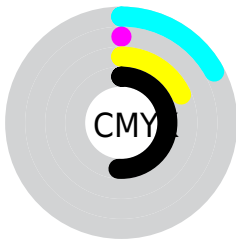
Blue (40%)



Red (40%)

Yellow (49%)

Blue (49%)

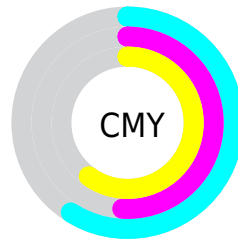


Cyan (17%)

Magenta (0%)

Yellow (18%)

Black (51%)



Cyan (59%)

Magenta (51%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687D67 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 687D67 by changing the saturation by 10% instead.



■ 687D67

■ 687D67

FFFFFF

■ 50644F

■ 9BB29A

■ 394C38

■ B6CDB5

■ 233523

■ D2E9D0

■ 0E200D

■ EEFFED

■ 000100

■ 000000

■ 687D67

■ 687D67

■ 5C7D5A

■ 747D74

■ 507D4E

■ 807D80

■ 447D42

■ 8C7D8D

■ 387D35

■ 987D99

■ 2C7D29

■ A47DA6

■ 207D1C

■ B07DB2

■ 147D10

■ BC7DBF

■ 097D03

■ C77DCB

■ 067D00

■ D37DD8

# Harmonies

## Analogous

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



777A5F



687D67



5B7F73

# Triad

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



687D67



647A91



936F6E

# Complementary

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



687D67



7C677D

# 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.



906E7B



687D67



757590

# Square

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



687D67



577D8C



857188



8F7163

# Rectangle

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



687D67



557F7D



857188



936E72



# Sweetspot

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



687D67



9BA39B



7D7C67



4D524D



D1D1D1



525252



# Same Dimension

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



687D67



82A381



677D71



3A4039



068000



000000



# Inverse Universe

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



7C677D



A281A3



7D6773



3F3940



7A0080



000000



# Previews

## White Background



This preview shows how the Hex color 687D67 looks on a white background.

## Color Contrast Check

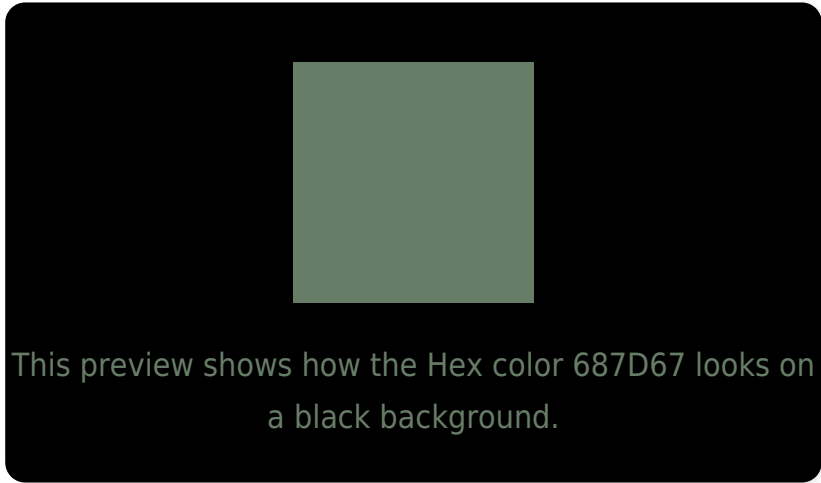
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

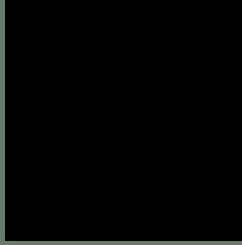
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 687D67 Background



This preview shows how black text looks on a background with the Hex color 687D67.



This preview shows how white text looks on a background with the Hex color 687D67.

# 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**  
687D67

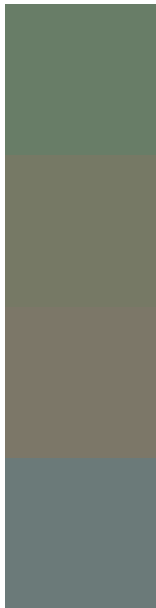
**Protanopia**  
7E7764

**Deuteranopia**  
887369



**Tritanopia**  
6D7983

# Trichromacy



**Original Color**  
687D67

**Protanomaly**  
767965

**Deuteranomaly**  
7C7768

**Tritanomaly**  
6B7A79

# Monochromacy



**Original Color**  
687D67

**Achromatopsia**  
747474

**Achromatomaly**  
70776F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687D67 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 #687D67 looks like.

```
.text, #text, p{  
    color:#687D67  
}
```

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 #687D67 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687D67
}
```

## Border

The CSS property to change the border of an element to Hex 687D67 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
#687D67 }
```

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

```
.border{ border-color:#687D67 }
```

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

Here you see how a box with a 4 pixel #687D67 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687D67; -webkit-box-shadow:4px 4px  
4px 4px #687D67; box-shadow:4px 4px 4px  
4px #687D67 }
```

# Background

The CSS property to change the background color of an element to Hex 687D67 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687D67 }
```

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

```
.background{ background-color:#687D67 }
```

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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