

# Converting Colors

Hex(747B68)

Have a look what the booklet for  
Hex(747B68) contains.

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# Color

Hex(747B68)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	747B68
RGB	116, 123, 104
RGB Percent	45%, 48%, 41%
CMY	0.5451, 0.5176, 0.5922
CMYK	0.06, 0.00, 0.15, 0.52
HSL	82°, 8%, 45%
HSV	82°, 15%, 48%
XYZ	16.7841, 18.8784, 15.8560
YIQ	118.7410, 1.9270, -7.3930

# Conversions

## Conversions Part 2

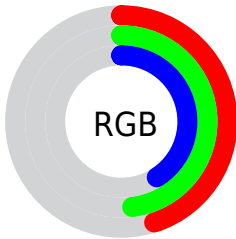
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 123, 111
Decimal	7633768
CIELab	50.54, -6.31, 9.51
CIELCh	51, 11.416, 123.586
Yxy	18.8784, 0.3258, 0.3664
Android (android.graphics.Color)	4285823848 (0xFF747B68)
YUV	118.7410, -7.2673, -2.4039
Hunter-Lab	43.4493, -7.0831, 8.7777

# Details

The Hex color **747B68** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6F687B**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **A8AF9B**, and **444A39** is the 20% darker color. If you saturate the color by 10%, you get **6F7B5C**, and if you desaturate by 10%, it is **797B74**.

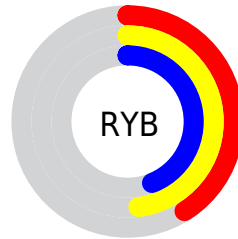
# Distribution



Red (45%)

Green (48%)

Blue (41%)



Red (41%)

Yellow (48%)

Blue (44%)

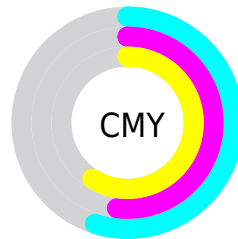


Cyan (6%)

Magenta (0%)

Yellow (15%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 747B68 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 747B68 by changing the saturation by 10% instead.



 747B68

 747B68

FFFFFF

 5B6250

 A8AF9B

 444A39

 C3CBB6

 2D3423

 DFE7D2

 191F0E

 FCFEE

 000400

 000000

 747B68

 747B68

 6F7B5C

 797B74

 6B7B4F

 7D7B81

■ 667B43

■ 827B8D

■ 627B37

■ 867B99

■ 5D7B2A

■ 8B7BA6

■ 597B1E

■ 8F7BB2

■ 547B12

■ 947BBE

■ 507B06

■ 987BCA

■ 4E7B00

■ 9D7BD7

# Harmonies

## Analogous

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



7F7865



747B68



697D6F

# Triad

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



747B68



647C89



8C7277

# Complementary

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



747B68



6F687B

# 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.



867381



747B68



6F798B

# Square

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



747B68



5F7E83



7C7588



8D726E

# Rectangle

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



747B68



637E76



7C7588



8B727B



# Sweetspot

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



747B68



9EA199



7B6F68



50524D



D1D1D1



525252



# Same Dimension

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



747B68



95A182



6B7B68



3B3D37



4F7D00



9FFC00



# Inverse Universe

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



6F687B



8D82A1



78687B



39373D



2E007D

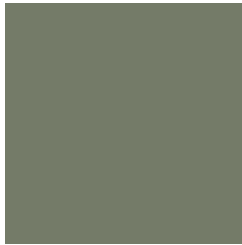


5D00FC



# Previews

## White Background



This preview shows how the Hex color 747B68 looks on a white background.

## Color Contrast Check

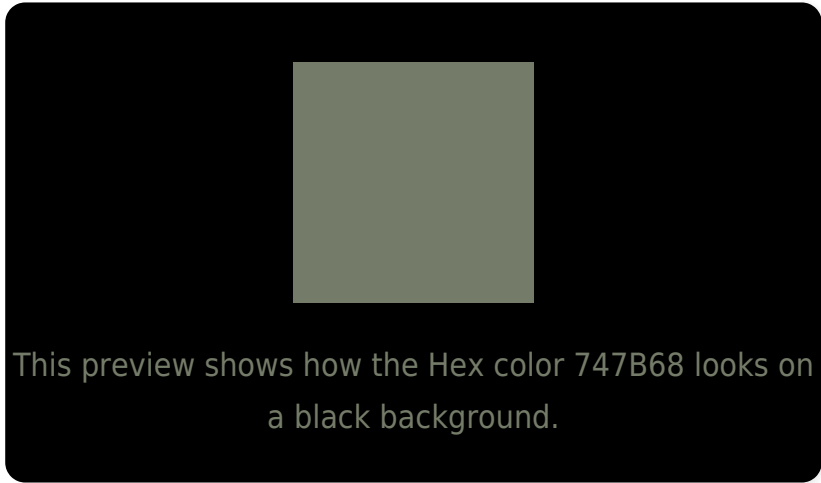
Large Text (above 18pt) WCAG AA ✓ Pass

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

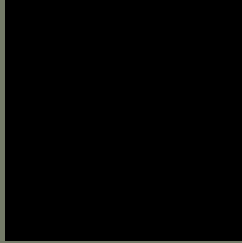
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

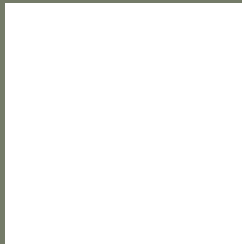
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 747B68 Background



This preview shows how black text looks on a background with the Hex color 747B68.



This preview shows how white text looks on a background with the Hex color 747B68.

# 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**

747B68

**Protanopia**

7E7866

**Deuteranopia**

897469



**Tritanopia**  
787781

# Trichromacy



**Original Color**

747B68

**Protanomaly**

7A7967

**Deuteranomaly**

817769

**Tritanomaly**

777878

# Monochromacy



**Original Color**

747B68

**Achromatopsia**

777777

**Achromatomaly**

767872

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 747B68 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 #747B68 looks like.

```
.text, #text, p{  
    color:#747B68  
}
```

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 #747B68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #747B68
}
```

## Border

The CSS property to change the border of an element to Hex 747B68 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
#747B68 }
```

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

```
.border{ border-color:#747B68 }
```

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

Here you see how a box with a 4 pixel #747B68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #747B68; -webkit-box-shadow:4px 4px  
4px 4px #747B68; box-shadow:4px 4px 4px  
4px #747B68 }
```

# Background

The CSS property to change the background color of an element to Hex 747B68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#747B68 }
```

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

```
.background{ background-color:#747B68 }
```

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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