

# Converting Colors

Hex(7A7468)

Have a look what the booklet for  
Hex(7A7468) contains.

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# Color

**Hex(7A7468)**

# Conversions

Conversions Part 1	
Format	Color
Hex	7A7468
RGB	122, 116, 104
RGB Percent	48%, 45%, 41%
CMY	0.5216, 0.5451, 0.5922
CMYK	0.00, 0.05, 0.15, 0.52
HSL	40°, 8%, 44%
HSV	40°, 15%, 48%
XYZ	16.7701, 17.6278, 15.6153
YIQ	116.4260, 7.4280, -2.4600

# Conversions

## Conversions Part 2

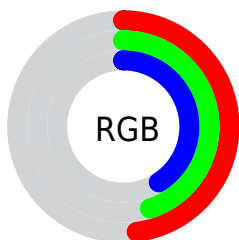
Format	Color
<a href="#">RYB</a>	<a href="#">113, 122, 104</a>
Decimal	<a href="#">8025192</a>
CIELab	<a href="#">49.04, 0.09, 7.45</a>
CIELCh	<a href="#">49, 7.454, 89.340</a>
Yxy	<a href="#">17.6278, 0.3353, 0.3525</a>
Android (android.graphics.Color)	<a href="#">4286215272</a> (0xFF7A7468)
YUV	<a href="#">116.4260, -6.1260, 4.8884</a>
Hunter-Lab	<a href="#">41.9855, -2.1770, 7.3386</a>

# Details

The Hex color **7A7468** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **686E7A**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **AEA89B**, and **494439** is the 20% darker color. If you saturate the color by 10%, you get **7A705C**, and if you desaturate by 10%, it is **7A7874**.

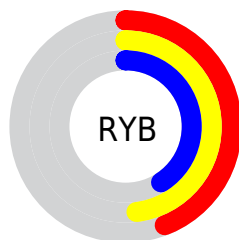
# Distribution



Red (48%)

Green (45%)

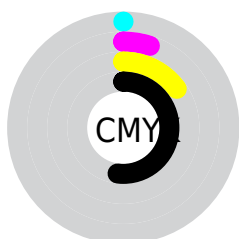
Blue (41%)



Red (44%)

Yellow (48%)

Blue (41%)

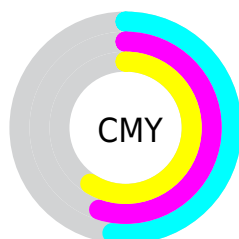


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (52%)



Cyan (52%)

Magenta (55%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A7468 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 7A7468 by changing the saturation by 10% instead.



 7A7468

 7A7468

FFFFFF

 615B50

 AEA89B

 494439

 CAC3B6

 332E23

 E6DFD2

 1E190E

 FFFCEE

 000000

 7A7468

 7A7468

 7A705C

 7A7874

 7A6C50

 7A7C80

 7A6843

 7A808D

 7A6437

 7A8499

 7A602B

 7A88A5

 7A5C1F

 7A8CB1

 7A5813

 7A90BD

 7A5306

 7A95CA

 7A5100

 7A99D6

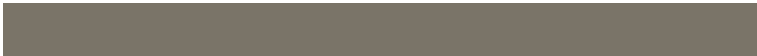
# Harmonies

## Analogous

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



80726A



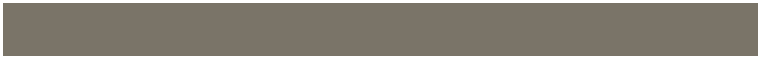
7A7468



737669

# Triad

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



7A7468



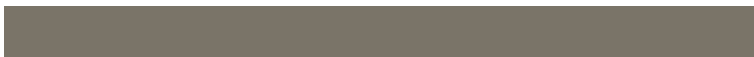
65787A



7D717B

# Complementary

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



7A7468



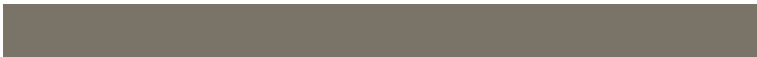
686E7A

# 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.



76737F



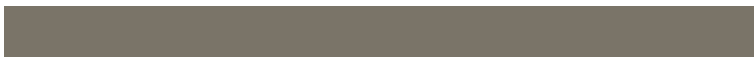
7A7468



68777F

# Square

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



7A7468



677874



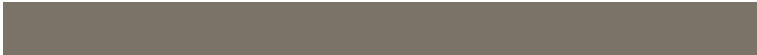
6E7581



817075

# Rectangle

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



7A7468



6E776C



6E7581

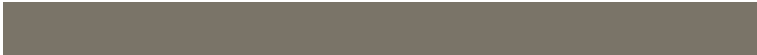


7B727D



# Sweetspot

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



7A7468



9E9C98



7A686E



4F4E4B



CFCFCF

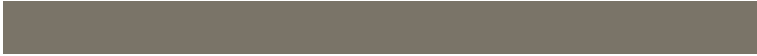


4F4F4F



# Same Dimension

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



7A7468



9E9582



777A68



3D3B37



7D5300



FCA800



# Inverse Universe

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



686E7A



828B9E



6B687A



37393D



002A7D

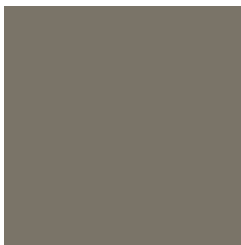


0054FC



# Previews

## White Background



This preview shows how the Hex color 7A7468 looks on a white background.

## Color Contrast Check

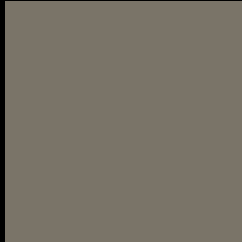
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 7A7468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

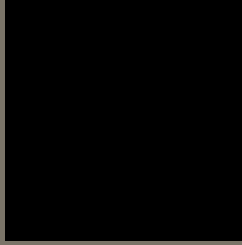
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7A7468 Background



This preview shows how black text looks on a background with the Hex color 7A7468.



This preview shows how white text looks on a background with the Hex color 7A7468.

# 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**

7A7468

**Protanopia**

7A7468

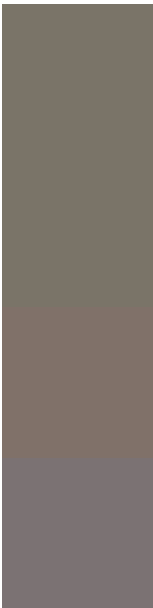
**Deuteranopia**

847069



**Tritanopia**  
7C717A

# Trichromacy



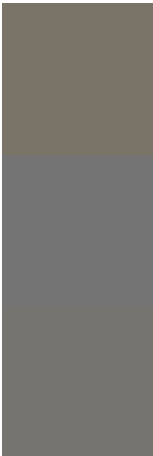
**Original Color**  
7A7468

**Protanomaly**  
7A7468

**Deuteranomaly**  
807169

**Tritanomaly**  
7B7273

# Monochromacy



**Original Color**  
7A7468

**Achromatopsia**  
747474

**Achromatomaly**  
767470

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A7468 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 #7A7468 looks like.

```
.text, #text, p{  
    color:#7A7468  
}
```

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 #7A7468 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A7468
}
```

## Border

The CSS property to change the border of an element to Hex 7A7468 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
#7A7468 }
```

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

```
.border{ border-color:#7A7468 }
```

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

Here you see how a box with a 4 pixel #7A7468 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A7468; -webkit-box-shadow:4px 4px  
4px 4px #7A7468; box-shadow:4px 4px 4px  
4px #7A7468 }
```

# Background

The CSS property to change the background color of an element to Hex 7A7468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A7468 }
```

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

```
.background{ background-color:#7A7468 }
```

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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