

# Converting Colors

Hex(7A706B)

Have a look what the booklet for  
Hex(7A706B) contains.

<b>Hex(7A706B)</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(7A706B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A706B
RGB	122, 112, 107
RGB Percent	48%, 44%, 42%
CMY	0.5216, 0.5608, 0.5804
CMYK	0.00, 0.08, 0.12, 0.52
HSL	20°, 7%, 45%
HSV	20°, 12%, 48%
XYZ	16.4741, 16.7875, 16.2819
YIQ	114.4200, 7.5650, 0.5650

# Conversions

## Conversions Part 2

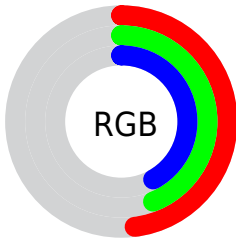
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 115, 107
Decimal	8024171
CIELab	47.99, 2.95, 4.17
CIElCh	48, 5.113, 54.712
Yxy	16.7875, 0.3325, 0.3388
Android (android.graphics.Color)	4286214251 (0xFF7A706B)
YUV	114.4200, -3.6581, 6.6477
Hunter-Lab	40.9725, 0.0687, 5.1197

# Details

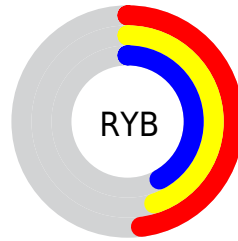
The Hex color **7A706B** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6B757A**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **AEA49E**, and **49403C** is the 20% darker color. If you saturate the color by 10%, you get **7A685F**, and if you desaturate by 10%, it is **7A7877**.

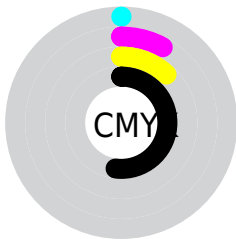
# Distribution



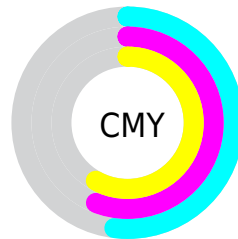
- Red (48%)
- Green (44%)
- Blue (42%)



- Red (48%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A706B 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 7A706B by changing the saturation by 10% instead.



7A706B

7A706B

FFFFFF

615853

AEA49E

49403C

CABFB9

332A26

E6DBD5

1E1611

FFF7F1

000000

7A706B

7A706B

7A685F

7A7877

7A6053

7A8083

7A5846

7A8890

 7A4F3A

 7A919C

 7A472E

 7A99A8

 7A3F22

 7AA1B4

 7A3716

 7AA9C0

 7A2F09

 7AB1CD

 7A2900

 7AB9D9

# Harmonies

## Analogous

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



7B6F6E



7A706B



767169

# Triad

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



7A706B



697471



72717A

# Complementary

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



7A706B



6B757A

# 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.



6D727A



7A706B



677475

# Square

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



7A706B



6D746D



697479



777077

# Rectangle

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



7A706B



73726A



697479



70727A



# Sweetspot

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



7A706B



9E9A98



7A6B75



4F4C4B



CFCFCF



4F4F4F



# Same Dimension

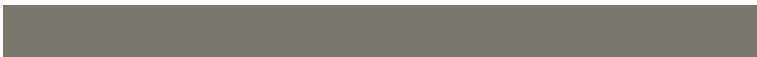
The Same Dimension uses a secret algorithm to generate beautiful new colors.



7A706B



9E8E86



7A776B



3D3937



7D2A00



FC5400



# Inverse Universe

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



6B757A



86969E



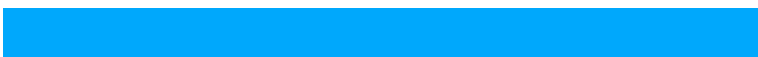
6B6E7A



373B3D



00537D



00A8FC



# Previews

## White Background



This preview shows how the Hex color 7A706B looks on a white background.

## Color Contrast Check

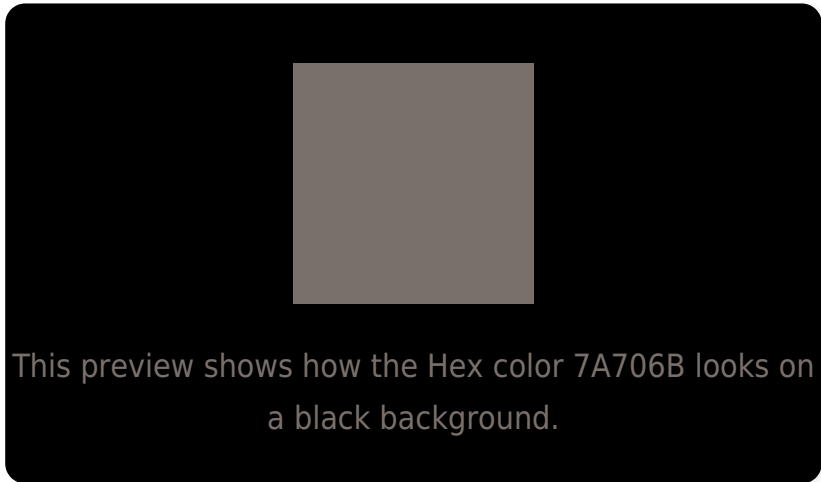
Large Text (above 18pt) WCAG AA ✓ Pass

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

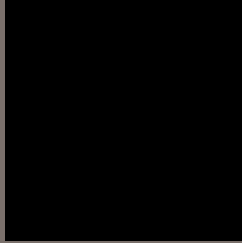
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7A706B Background



This preview shows how black text looks on a background with the Hex color 7A706B.



This preview shows how white text looks on a background with the Hex color 7A706B.

# 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**

7A706B

**Protanopia**

75716C

**Deuteranopia**

7F6E6B



**Tritanopia**  
7C6E77

# Trichromacy



**Original Color**

7A706B

**Protanomaly**

77716C

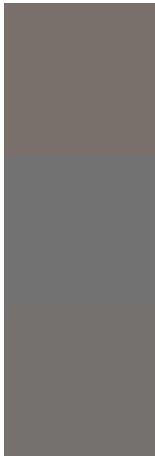
**Deuteranomaly**

7D6F6B

**Tritanomaly**

7B6F73

# Monochromacy



**Original Color**

7A706B

**Achromatopsia**

727272

**Achromatomaly**

75716F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A706B 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 #7A706B looks like.

```
.text, #text, p{  
    color:#7A706B  
}
```

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 #7A706B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A706B
}
```

## Border

The CSS property to change the border of an element to Hex 7A706B is called "border". The border property can be set on classes, ids or directly on the HTML element.

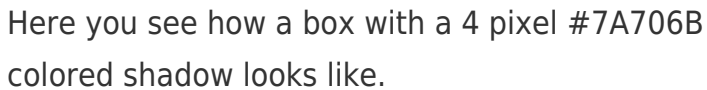
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7A706B }
```

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

```
.border{ border-color:#7A706B }
```

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



Here you see how a box with a 4 pixel #7A706B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A706B; -webkit-box-shadow:4px 4px  
4px 4px #7A706B; box-shadow:4px 4px 4px  
4px #7A706B }
```

# Background

The CSS property to change the background color of an element to Hex 7A706B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A706B }
```

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

```
.background{ background-color:#7A706B }
```

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