

# Converting Colors

Hex(7B846A)

Have a look what the booklet for  
Hex(7B846A) contains.

<b>Hex(7B846A)</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(7B846A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B846A
RGB	123, 132, 106
RGB Percent	48%, 52%, 42%
CMY	0.5176, 0.4824, 0.5843
CMYK	0.07, 0.00, 0.20, 0.48
HSL	81°, 11%, 47%
HSV	81°, 20%, 52%
XYZ	19.0212, 21.7541, 16.8321
YIQ	126.3450, 2.9820, -9.9940

# Conversions

## Conversions Part 2

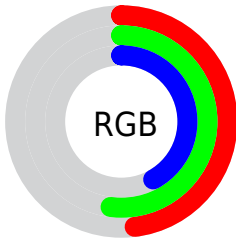
Format	Color
<b>RYB</b>	106, 132, 115
Decimal	8094826
CIELab	53.77, -8.25, 12.95
CIELCh	54, 15.351, 122.507
Yxy	21.7541, 0.3302, 0.3776
Android (android.graphics.Color)	4286284906 (0xFF7B846A)
YUV	126.3450, -10.0301, -2.9336
Hunter-Lab	46.6413, -8.8267, 11.2521

# Details

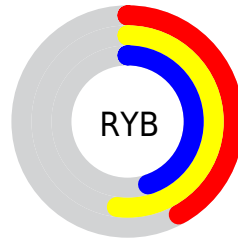
The Hex color **7B846A** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **736A84**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **B0B99D**, and **4A533B** is the 20% darker color. If you saturate the color by 10%, you get **76845D**, and if you desaturate by 10%, it is **808477**.

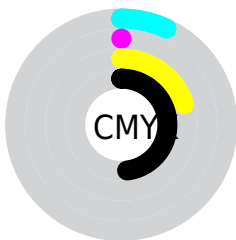
# Distribution



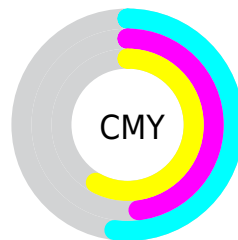
- Red (48%)
- Green (52%)
- Blue (42%)



- Red (42%)
- Yellow (52%)
- Blue (45%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B846A 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 7B846A by changing the saturation by 10% instead.





7B846A



7B846A

FFFFFF



626B52



B0B99D



4A533B



CBD5B8



333C25



E7F1D4



1E2610



FFFFF0



001200



000000



7B846A



7B846A



76845D



808477



728450



848484

■ 6D8442

■ 898492

■ 698435

■ 8D849F

■ 648428

■ 9284AC

■ 60841B

■ 9684B9

■ 5B840E

■ 9B84C6

■ 568400

■ A084D4

■ A484E1

# Harmonies

## Analogous

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



8A8066



7B846A



6C8774

# Triad

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



7B846A



648598



9B7780

# Complementary

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



7B846A



736A84

# 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.



93798D



7B846A



73819B

# Square

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



7B846A



5D888E



847D97



9C7873

# Rectangle

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



7B846A



64887D



847D97



997784



# Sweetspot

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



7B846A



A7ABA1



84736A



555751



D6D6D6



575757



# Same Dimension

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



7B846A



9DAB82



6E846A



40423C



558200



020300



# Inverse Universe

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



736A84



9082AB



806A84



3E3C42



2D0082



010003



# Previews

## White Background



This preview shows how the Hex color 7B846A looks on a white background.

## Color Contrast Check

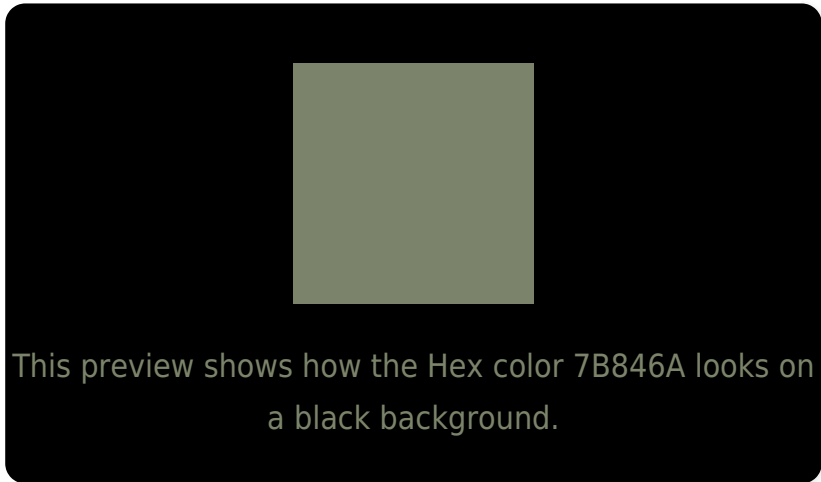
Large Text (above 18pt) WCAG AA ✓ Pass

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

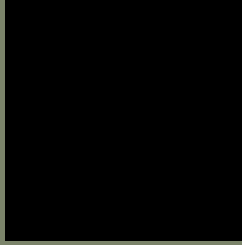
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

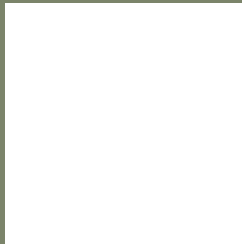
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7B846A Background



This preview shows how black text looks on a background with the Hex color 7B846A.



This preview shows how white text looks on a background with the Hex color 7B846A.

# 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**  
7B846A

**Protanopia**  
888068

**Deuteranopia**  
947B6C



**Tritanopia**  
80808A

# Trichromacy



**Original Color**

7B846A

**Protanomaly**

838169

**Deuteranomaly**

8B7E6B

**Tritanomaly**

7E817E

# Monochromacy



**Original Color**

7B846A

**Achromatopsia**

7E7E7E

**Achromatomaly**

7D8077

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B846A 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 #7B846A looks like.

```
.text, #text, p{  
    color:#7B846A  
}
```

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 #7B846A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B846A
}
```

## Border

The CSS property to change the border of an element to Hex 7B846A 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
#7B846A }
```

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

```
.border{ border-color:#7B846A }
```

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

Here you see how a box with a 4 pixel #7B846A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B846A; -webkit-box-shadow:4px 4px  
4px 4px #7B846A; box-shadow:4px 4px 4px  
4px #7B846A }
```

# Background

The CSS property to change the background color of an element to Hex 7B846A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B846A }
```

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

```
.background{ background-color:#7B846A }
```

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