

# Converting Colors

Hex(768C76)

Have a look what the booklet for  
Hex(768C76) contains.

<b>Hex(768C76)</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(768C76)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	768C76
RGB	118, 140, 118
RGB Percent	46%, 55%, 46%
CMY	0.5373, 0.4510, 0.5373
CMYK	0.16, 0.00, 0.16, 0.45
HSL	120°, 9%, 51%
HSV	120°, 16%, 55%
XYZ	20.1193, 23.9157, 20.6953
YIQ	130.9140, -6.0500, -11.5060

# Conversions

## Conversions Part 2

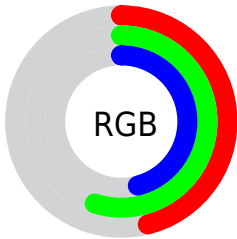
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 140, 140
Decimal	7769206
CIE <sub>Lab</sub>	56.00, -12.37, 9.15
CIE <sub>LCh</sub>	56, 15.390, 143.513
Yxy	23.9157, 0.3108, 0.3695
Android (android.graphics.Color)	4285959286 (0xFF768C76)
YUV	130.9140, -6.3666, -11.3256
Hunter-Lab	48.9037, -12.1454, 9.1419

# Details

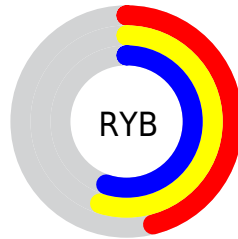
The Hex color **768C76** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **8C768C**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **AAC2AA**, and **455A46** is the 20% darker color. If you saturate the color by 10%, you get **688C68**, and if you desaturate by 10%, it is **848C84**.

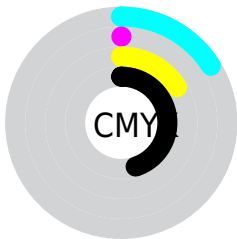
# Distribution



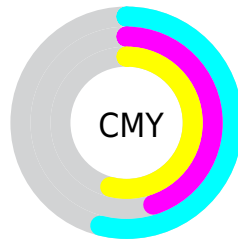
- Red (46%)
- Green (55%)
- Blue (46%)



- Red (46%)
- Yellow (55%)
- Blue (55%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)



- Cyan (54%)
- Magenta (45%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 768C76 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 768C76 by changing the saturation by 10% instead.



 768C76

 768C76

FFFFFF

 5D725D

 AAC2AA

 455A46

 C6DEC5

 2F422F

 E2FAE1

 192C1A

FEFFFE

 001800

 000000

 768C76

 768C76

 688C68

 848C84

 5A8C5A

 928C92

■ 4C8C4C

■ A08CA0

■ 3E8C3E

■ AE8CAE

■ 308C30

■ BC8CBC

■ 228C22

■ CA8CCA

■ 148C14

■ D88CD8

■ 068C06

■ E68CE6

■ 008C00

■ F48CF4

# Harmonies

## Analogous

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



85896E



768C76



698E83

# Triad

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



768C76



7388A0



A27D7C

# Complementary

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



768C76



8C768C

# 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.



9F7D8A



768C76



85849F

# Square

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



768C76



668C9B



958096



9E8071

# Rectangle

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



768C76



638E8C



958096



A27D81



# Sweetspot

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



768C76



ACB5AC



8C8C76



565C56



DBDBDB



5C5C5C



# Same Dimension

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



768C76



93B593



768C81



3E453E



008500



000500



# Inverse Universe

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



8C768C



B593B5



8C7681



453E45



850085



050005



# Previews

## White Background



This preview shows how the Hex color 768C76 looks on a white background.

## Color Contrast Check

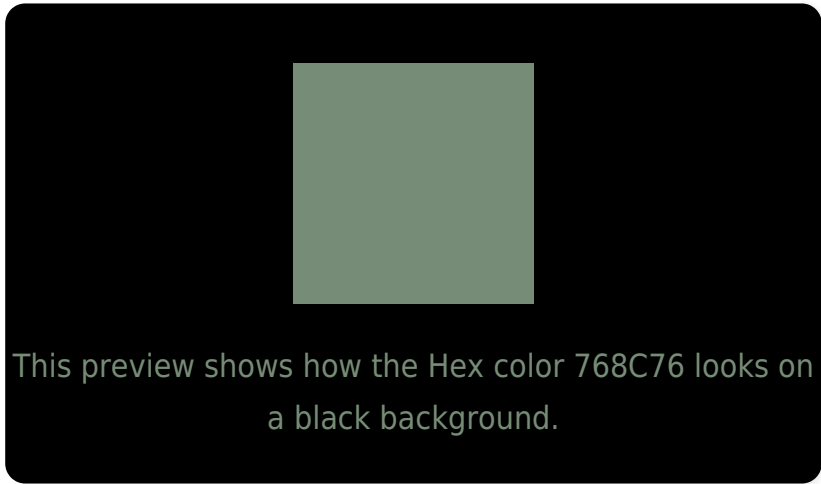
Large Text (above 18pt) WCAG AA ✓ Pass

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

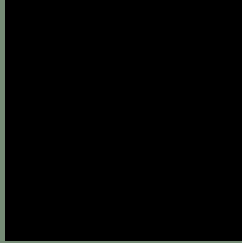
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

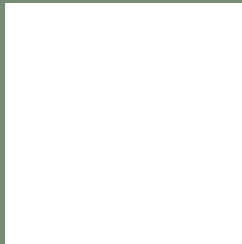
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 768C76 Background



This preview shows how black text looks on a background with the Hex color 768C76.



This preview shows how white text looks on a background with the Hex color 768C76.

# 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





**Tritanopia**  
7B8893

# Trichromacy



**Original Color**  
768C76

**Protanomaly**  
858874

**Deuteranomaly**  
8C8577

**Tritanomaly**  
798988

# Monochromacy



**Original Color**  
768C76

**Achromatopsia**  
838383

**Achromatomaly**  
7E867E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 768C76 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 #768C76 looks like.

```
.text, #text, p{  
    color:#768C76  
}
```

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 #768C76 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #768C76
}
```

## Border

The CSS property to change the border of an element to Hex 768C76 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
#768C76 }
```

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

```
.border{ border-color:#768C76 }
```

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

Here you see how a box with a 4 pixel #768C76 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #768C76; -webkit-box-shadow:4px 4px  
4px 4px #768C76; box-shadow:4px 4px 4px  
4px #768C76 }
```

# Background

The CSS property to change the background color of an element to Hex 768C76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#768C76 }
```

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

```
.background{ background-color:#768C76 }
```

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