

# Converting Colors

Hex(78767A)

Have a look what the booklet for  
Hex(78767A) contains.

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# Color

**Hex(78767A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78767A
RGB	120, 118, 122
RGB Percent	47%, 46%, 48%
CMY	0.5294, 0.5373, 0.5216
CMYK	0.02, 0.03, 0.00, 0.52
HSL	270°, 2%, 47%
HSV	270°, 3%, 48%
XYZ	17.7370, 18.3551, 21.0204
YIQ	119.0540, -0.0920, 1.6680

# Conversions

## Conversions Part 2

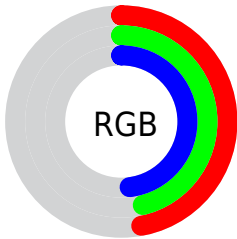
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 118, 122
Decimal	7894650
CIE <sub>Lab</sub>	49.92, 1.57, -1.93
CIE <sub>LCh</sub>	50, 2.488, 309.172
Yxy	18.3551, 0.3106, 0.3214
Android (android.graphics.Color)	4286084730 (0xFF78767A)
YUV	119.0540, 1.4524, 0.8296
Hunter-Lab	42.8428, -1.0756, 0.8999

# Details

The Hex color **78767A** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **787A76**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **ACAAAE**, and **484649** is the 20% darker color. If you saturate the color by 10%, you get **726A7A**, and if you desaturate by 10%, it is **7E827A**.

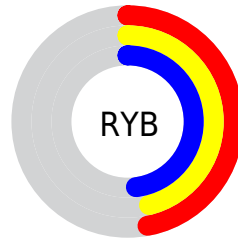
# Distribution



Red (47%)

Green (46%)

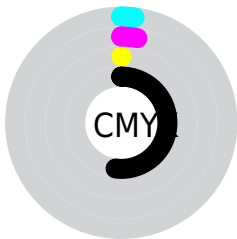
Blue (48%)



Red (47%)

Yellow (46%)

Blue (48%)

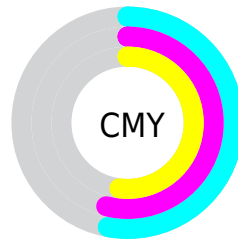


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (54%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78767A 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 78767A by changing the saturation by 10% instead.





78767A



78767A

FFFFFF



5F5D61



ACAAAE



484649



C8C5CA



313033



E4E1E6



1C1B1E

FFFEFF



010004



000000



78767A



78767A



726A7A



7E827A



6C5E7A



848E7A

66517A

8A9B7A

60457A

90A77A

59397A

97B37A

532D7A

9DBF7A

4D217A

A3CB7A

47147A

A9D87A

41087A

AFE47A

# Harmonies

## Analogous

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



75777B



78767A



7A7678

# Triad

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



78767A



7A7673



727877

# Complementary

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



78767A



787A76

# 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.



737875



78767A



787773

# Square

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



78767A



7B7674



757773



727879

# Rectangle

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



78767A



7B7577



757773



727877



# Sweetspot

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



78767A



9D9D9E



76787A



4F4E4F



CFCFCF



4F4F4F



# Same Dimension

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



78767A



9B989E



7A767A



3C3A3D



3E007D



7E00FC



# Inverse Universe

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



7A7678



9E989B



767A76



3D3A3C



7D003E



FC007E



# Previews

## White Background



This preview shows how the Hex color 78767A looks on a white background.

## Color Contrast Check

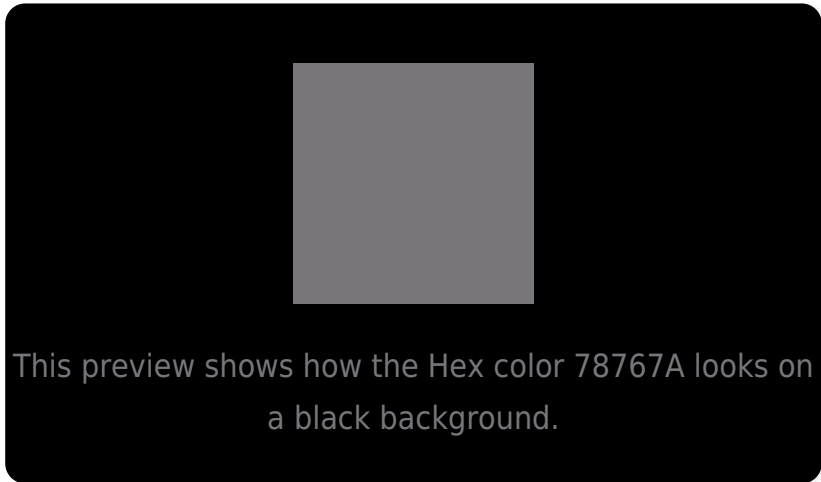
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

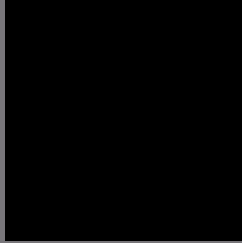
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

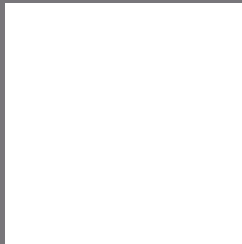
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 78767A Background



This preview shows how black text looks on a background with the Hex color 78767A.



This preview shows how white text looks on a background with the Hex color 78767A.

# 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**  
78767A

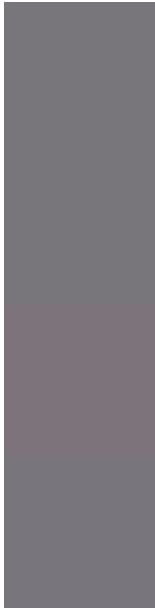
**Protanopia**  
78767A

**Deuteranopia**  
80737B



**Tritanopia**  
79757F

# Trichromacy



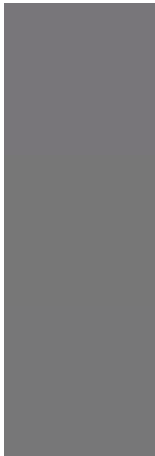
**Original Color**  
78767A

**Protanomaly**  
78767A

**Deuteranomaly**  
7D747B

**Tritanomaly**  
79757D

# Monochromacy



**Original Color**  
78767A

**Achromatopsia**  
777777

**Achromatomaly**  
777778

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78767A 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 #78767A looks like.

```
.text, #text, p{  
    color:#78767A  
}
```

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 #78767A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78767A
}
```

## Border

The CSS property to change the border of an element to Hex 78767A 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
#78767A }
```

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

```
.border{ border-color:#78767A }
```

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

Here you see how a box with a 4 pixel #78767A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78767A; -webkit-box-shadow:4px 4px  
4px 4px #78767A; box-shadow:4px 4px 4px  
4px #78767A }
```

# Background

The CSS property to change the background color of an element to Hex 78767A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78767A }
```

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

```
.background{ background-color:#78767A }
```

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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