

# Converting Colors

Hex(78757F)

Have a look what the booklet for  
Hex(78757F) contains.

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# Color

**Hex(78757F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78757F
RGB	120, 117, 127
RGB Percent	47%, 46%, 50%
CMY	0.5294, 0.5412, 0.5020
CMYK	0.06, 0.08, 0.00, 0.50
HSL	258°, 4%, 48%
HSV	258°, 8%, 50%
XYZ	17.9378, 18.2480, 22.6555
YIQ	119.0370, -1.4220, 3.7460

# Conversions

## Conversions Part 2

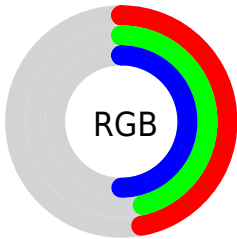
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 117, 127
Decimal	7894399
CIE Lab	49.80, 3.20, -5.07
CIE LCh	50, 5.998, 302.239
Yxy	18.2480, 0.3049, 0.3101
Android (android.graphics.Color)	4286084479 (0xFF78757F)
YUV	119.0370, 3.9258, 0.8446
Hunter-Lab	42.7176, 0.1990, -1.5423

# Details

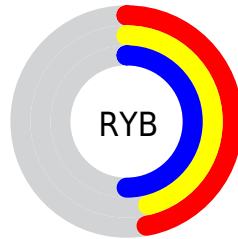
The Hex color **78757F** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7C7F75**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **ACA9B4**, and **48454E** is the 20% darker color. If you saturate the color by 10%, you get **6F687F**, and if you desaturate by 10%, it is **81827F**.

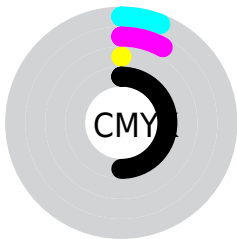
# Distribution



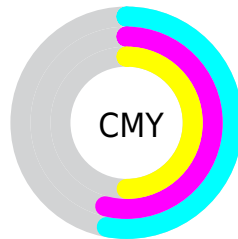
- Red (47%)
- Green (46%)
- Blue (50%)



- Red (47%)
- Yellow (46%)
- Blue (50%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (50%)



- Cyan (53%)
- Magenta (54%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78757F 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 78757F by changing the saturation by 10% instead.



■ 78757F

■ 78757F

FFFFFF

■ 5F5C66

■ ACA9B4

■ 48454E

■ C8C4CF

■ 312F37

■ E4E0EB

■ 1C1A22

■ FFFDFF

■ 01000C

■ 000000

■ 78757F

■ 78757F

■ 6F687F

■ 81827F

■ 665C7F

■ 8A8E7F

■ 5D4F7F

■ 939B7F

■ 54427F

■ 9CA87F

■ 4C357F

■ A4B47F

■ 43297F

■ ADC17F

■ 3A1C7F

■ B6CE7F

■ 310F7F

■ BFDB7F

■ 28037F

■ C8E77F

# Harmonies

## Analogous

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



727780



78757F



7E747B

# Triad

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



78757F



7F756E



6B7A77

# Complementary

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



78757F



7C7F75

# Split Complementary

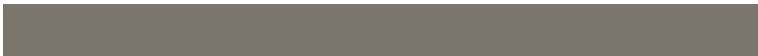
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6F7972



78757F



7A766C

# Square

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



78757F



817371



75786E



6A797C

# Rectangle

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



78757F



807378



75786E



6C7975



# Sweetspot

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



78757F



A3A2A6



757C7F



535254



D4D4D4



545454



# Same Dimension

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



78757F



9B97A6



7D757F



3B3940



260080



000000



# Inverse Universe

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



7F757C



A697A1



777F75



40393E



800059



000000



# Previews

## White Background



This preview shows how the Hex color 78757F looks on a white background.

## Color Contrast Check

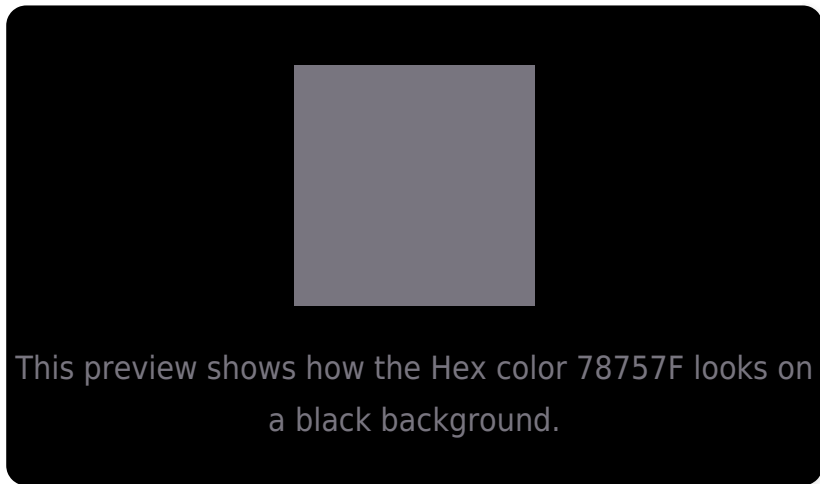
Large Text (above 18pt) WCAG AA ✓ Pass

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

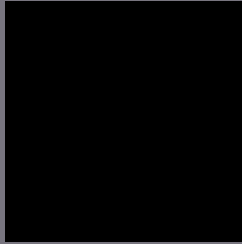
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 78757F Background



This preview shows how black text looks on a background with the Hex color 78757F.



This preview shows how white text looks on a background with the Hex color 78757F.

# 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**  
78757F

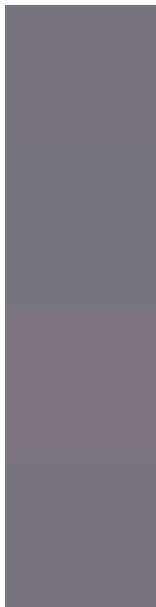
**Protanopia**  
76767F

**Deuteranopia**  
7E737F



**Tritanopia**  
78757E

# Trichromacy



**Original Color**

78757F

**Protanomaly**

77767F

**Deuteranomaly**

7C747F

**Tritanomaly**

78757E

# Monochromacy



**Original Color**

78757F

**Achromatopsia**

777777

**Achromatomaly**

77767A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78757F 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 #78757F looks like.

```
.text, #text, p{  
    color:#78757F  
}
```

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 #78757F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78757F
}
```

## Border

The CSS property to change the border of an element to Hex 78757F is called "border". The border property can be set on classes, ids or directly on the HTML element.

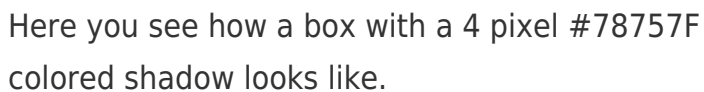
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#78757F }
```

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

```
.border{ border-color:#78757F }
```

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



Here you see how a box with a 4 pixel `#78757F` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78757F; -webkit-box-shadow:4px 4px  
4px 4px #78757F; box-shadow:4px 4px 4px  
4px #78757F }
```

# Background

The CSS property to change the background color of an element to Hex 78757F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78757F }
```

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

```
.background{ background-color:#78757F }
```

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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