

# Converting Colors

Hex(677A7E)

Have a look what the booklet for  
Hex(677A7E) contains.

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# Color

Hex(677A7E)

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 677A7E                      |
| RGB         | 103, 122, 126               |
| RGB Percent | 40%, 48%, 49%               |
| CMY         | 0.5961, 0.5216, 0.5059      |
| CMYK        | 0.18, 0.03, 0.00, 0.51      |
| HSL         | 190°, 10%, 45%              |
| HSV         | 190°, 18%, 49%              |
| XYZ         | 16.3189, 18.3090, 22.4126   |
| YIQ         | 116.7750, -12.6080, -2.7840 |

# Conversions

## Conversions Part 2

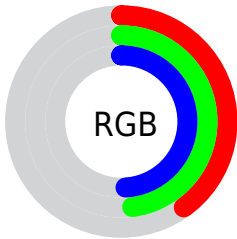
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 103, 113, 126                 |
| Decimal                             | 6781566                       |
| CIELab                              | 49.87, -6.02, -4.52           |
| CIELCh                              | 50, 7.527, 216.921            |
| Yxy                                 | 18.3090, 0.2861,<br>0.3210    |
| Android<br>(android.graphics.Color) | 4284971646<br>(0xFF677A7E)    |
| YUV                                 | 116.7750, 4.5479,<br>-12.0807 |
| Hunter-Lab                          | 42.7890, -6.8041,<br>-1.1033  |

# Details

The Hex color **677A7E** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7E6B67**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **9AAEB3**, and **37494D** is the 20% darker color. If you saturate the color by 10%, you get **5A787E**, and if you desaturate by 10%, it is **747C7E**.

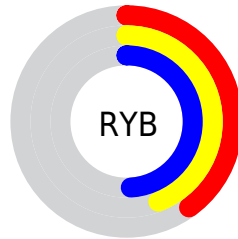
# Distribution



Red (40%)

Green (48%)

Blue (49%)



Red (40%)

Yellow (44%)

Blue (49%)

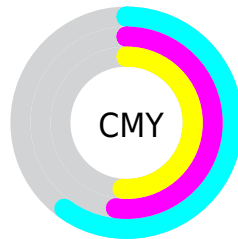


Cyan (18%)

Magenta (3%)

Yellow (0%)

Black (51%)



Cyan (60%)

Magenta (52%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 677A7E 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 677A7E by changing the saturation by 10% instead.



■ 677A7E

■ 677A7E

FFFFFF

■ 4F6165

■ 9AAEB3

■ 37494D

■ B5CACE

■ 213336

■ D1E6EA

■ 0C1E21

■ EDFFFF

■ 00000A

■ 000000

■ 677A7E

■ 677A7E

■ 5A787E

■ 747C7E

■ 4E767E

■ 807E7E

41737E

8D817E

35717E

99837E

286F7E

A6857E

1B6D7E

B3877E

0F6B7E

BF897E

02687E

CC8C7E

00687E

D88E7E

# Harmonies

## Analogous

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



687A78



677A7E



6B7982

# Triad

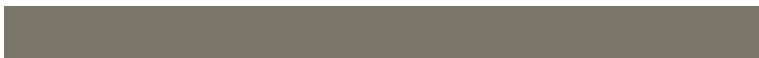
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



677A7E



80737C



7A776A

# Complementary

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



677A7E



7E6B67

# 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.



81756B



677A7E



847275

# Square

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



677A7E



7A7581



84736F



73796C

# Rectangle

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



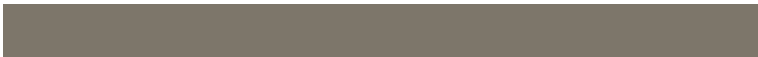
677A7E



6F7783



84736F



7D766A



# Sweetspot

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



677A7E



9BA2A3



677E6B



4D5152



D1D1D1



525252



# Same Dimension

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



677A7E



7F9DA3



676F7E



393F40



006980



000000



# Inverse Universe

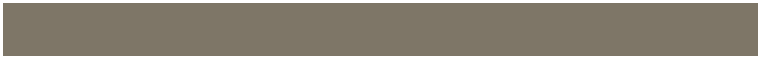
The Inverse Universe completely reimagines the original color for something new.



7E677A



A37F9D



7E7667



40393F



800069



000000



# Previews

## White Background



This preview shows how the Hex color 677A7E looks on a white background.

## Color Contrast Check

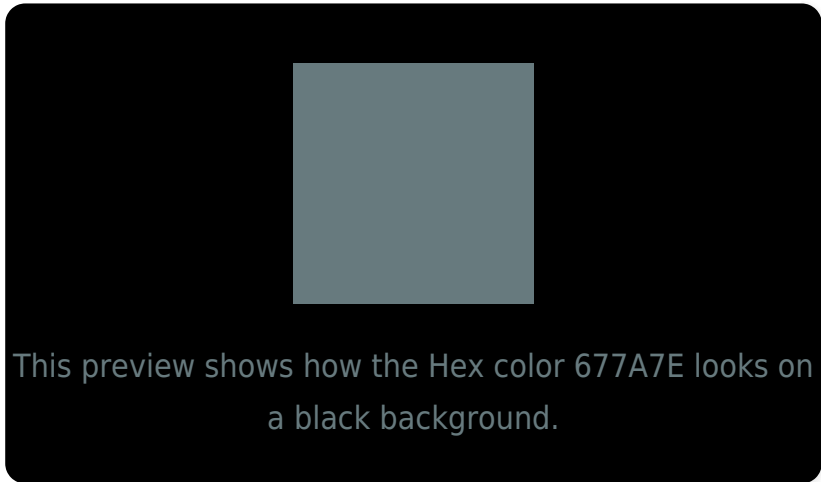
Large Text (above 18pt) WCAG AA ✓ Pass

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

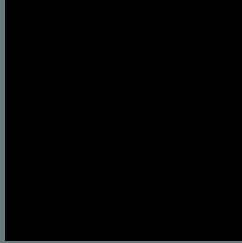
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

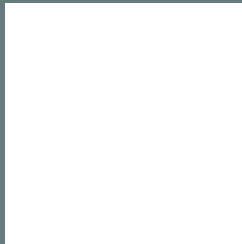
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 677A7E Background



This preview shows how black text looks on a background with the Hex color 677A7E.



This preview shows how white text looks on a background with the Hex color 677A7E.

# 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**  
677A7E

**Protanopia**  
77767B

**Deuteranopia**  
7E737F



**Tritanopia**  
687983

# Trichromacy



**Original Color**  
677A7E

**Protanomaly**  
71777C

**Deuteranomaly**  
76767F

**Tritanomaly**  
687981

# Monochromacy



**Original Color**  
677A7E

**Achromatopsia**  
757575

**Achromatomaly**  
707778

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 677A7E 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 #677A7E looks like.

```
.text, #text, p{  
  color:#677A7E  
}
```

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 #677A7E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #677A7E
}
```

## Border

The CSS property to change the border of an element to Hex 677A7E is called "border". The border property can be set on classes, ids or directly on the HTML element.

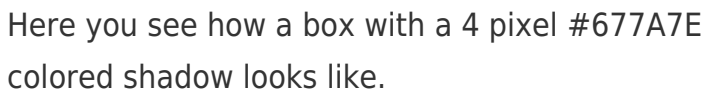
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#677A7E }
```

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

```
.border{ border-color:#677A7E }
```

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



Here you see how a box with a 4 pixel #677A7E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #677A7E; -webkit-box-shadow:4px 4px  
4px 4px #677A7E; box-shadow:4px 4px 4px  
4px #677A7E }
```

# Background

The CSS property to change the background color of an element to Hex 677A7E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#677A7E }
```

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

```
.background{ background-color:#677A7E }
```

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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