

# Converting Colors

Hex(687A7B)

Have a look what the booklet for  
Hex(687A7B) contains.

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# Color

**Hex(687A7B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	687A7B
RGB	104, 122, 123
RGB Percent	41%, 48%, 48%
CMY	0.5922, 0.5216, 0.5176
CMYK	0.15, 0.01, 0.00, 0.52
HSL	183°, 8%, 45%
HSV	183°, 15%, 48%
XYZ	16.2436, 18.2922, 21.4135
YIQ	116.7320, -11.0490, -3.5050

# Conversions

## Conversions Part 2

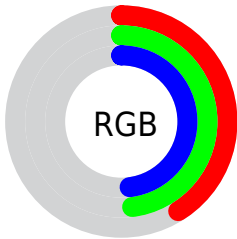
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 113, 123
Decimal	6847099
CIELab	49.85, -6.36, -2.77
CIELCh	50, 6.938, 203.576
Yxy	18.2922, 0.2903, 0.3269
Android (android.graphics.Color)	4285037179 (0xFF687A7B)
YUV	116.7320, 3.0901, -11.1660
Hunter-Lab	42.7694, -7.0529, 0.2536

# Details

The Hex color **687A7B** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7B6968**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **9BAEAF**, and **39494A** is the 20% darker color. If you saturate the color by 10%, you get **5C797B**, and if you desaturate by 10%, it is **747B7B**.

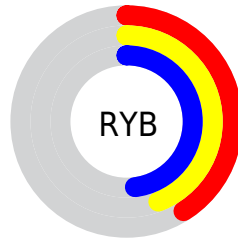
# Distribution



Red (41%)

Green (48%)

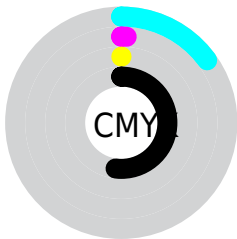
Blue (48%)



Red (41%)

Yellow (44%)

Blue (48%)

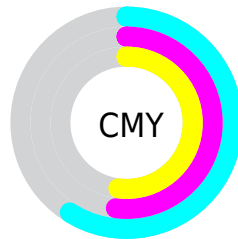


Cyan (15%)

Magenta (1%)

Yellow (0%)

Black (52%)



Cyan (59%)

Magenta (52%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687A7B 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 687A7B by changing the saturation by 10% instead.





687A7B



687A7B

FFFFFF



506162



9BAEAF



39494A



B6CACB



233334



D2E6E7



0E1E1F



EEFFFF



000006



000000



687A7B



687A7B



5C797B



747B7B



4F797B



817B7B

43787B

8D7C7B

37777B

997D7B

2A777B

A67D7B

1E767B

B27E7B

12757B

BE7F7B

06757B

CA7F7B

00757B

D7807B

# Harmonies

## Analogous

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



6A7A75



687A7B



6A7980

# Triad

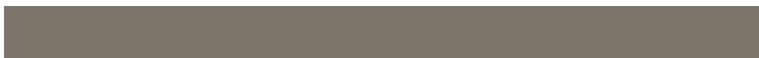
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



687A7B



7D747E



7D766B

# Complementary

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



687A7B



7B6968

# 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.



82746D



687A7B



827378

# Square

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



687A7B



767581



837372



76786C

# Rectangle

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



687A7B



6D7882



837372



7F756B



# Sweetspot

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



687A7B



99A0A1



687B69



4D5152



D1D1D1



525252



# Same Dimension

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



687A7B



829FA1



68717B



373D3D



00767D



00EFFC



# Inverse Universe

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



7B687A



A1829F



7B7268



3D373D



7D0076



FC00EF



# Previews

## White Background



This preview shows how the Hex color 687A7B looks on a white background.

## Color Contrast Check

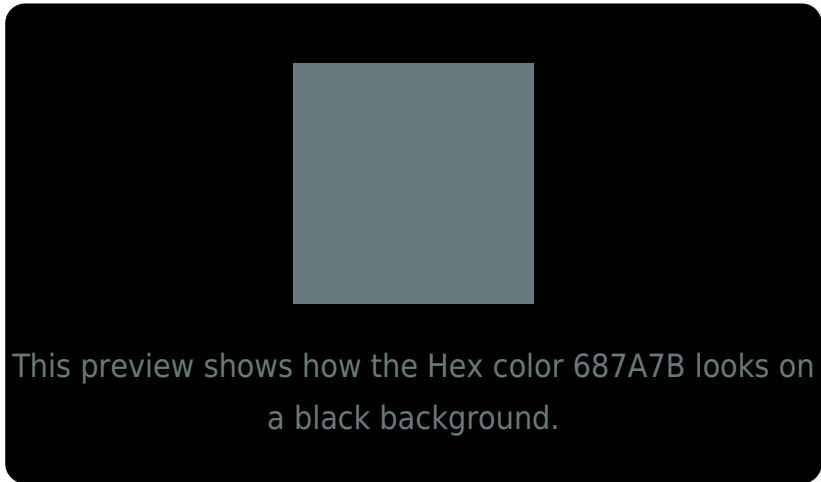
Large Text (above 18pt) WCAG AA ✓ Pass

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

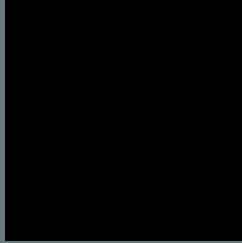
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

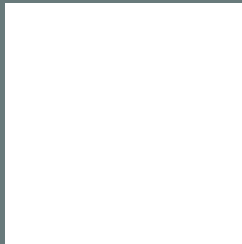
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 687A7B Background



This preview shows how black text looks on a background with the Hex color 687A7B.



This preview shows how white text looks on a background with the Hex color 687A7B.

# 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**  
687A7B

**Protanopia**  
787678

**Deuteranopia**  
7F737C



**Tritanopia**  
697982

# Trichromacy



**Original Color**  
687A7B

**Protanomaly**  
727779

**Deuteranomaly**  
77767C

**Tritanomaly**  
69797F

# Monochromacy



**Original Color**  
687A7B

**Achromatopsia**  
757575

**Achromatomaly**  
707777

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687A7B 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 #687A7B looks like.

```
.text, #text, p{  
    color:#687A7B  
}
```

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 #687A7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687A7B
}
```

## Border

The CSS property to change the border of an element to Hex 687A7B 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
#687A7B }
```

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

```
.border{ border-color:#687A7B }
```

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

Here you see how a box with a 4 pixel #687A7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687A7B; -webkit-box-shadow:4px 4px  
4px 4px #687A7B; box-shadow:4px 4px 4px  
4px #687A7B }
```

# Background

The CSS property to change the background color of an element to Hex 687A7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687A7B }
```

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

```
.background{ background-color:#687A7B }
```

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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