

# Converting Colors

Hex(687D7D)

Have a look what the booklet for  
Hex(687D7D) contains.

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# Color

**Hex(687D7D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	687D7D
RGB	104, 125, 125
RGB Percent	41%, 49%, 49%
CMY	0.5922, 0.5098, 0.5098
CMYK	0.17, 0.00, 0.00, 0.51
HSL	180°, 9%, 45%
HSV	180°, 17%, 49%
XYZ	16.7442, 19.0910, 22.2044
YIQ	118.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

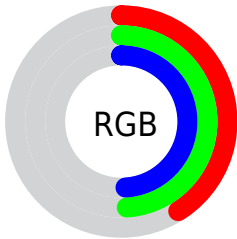
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 115, 125
Decimal	6847869
CIELab	50.79, -7.61, -2.56
CIELCh	51, 8.029, 198.597
Yxy	19.0910, 0.2885, 0.3289
Android (android.graphics.Color)	4285037949 (0xFF687D7D)
YUV	118.7210, 3.0955, -12.9103
Hunter-Lab	43.6932, -8.0579, 0.4547

# Details

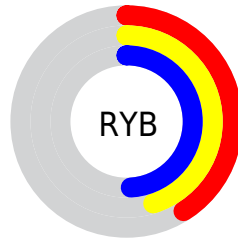
The Hex color **687D7D** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7D6868**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **9BB2B2**, and **384C4C** is the 20% darker color. If you saturate the color by 10%, you get **5C7D7D**, and if you desaturate by 10%, it is **757D7D**.

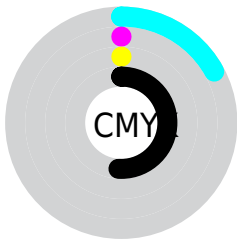
# Distribution



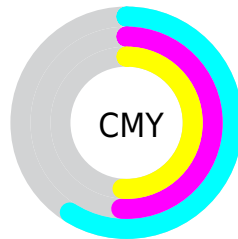
- Red (41%)
- Green (49%)
- Blue (49%)



- Red (41%)
- Yellow (45%)
- Blue (49%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (51%)



- Cyan (59%)
- Magenta (51%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687D7D 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 687D7D by changing the saturation by 10% instead.





687D7D



687D7D

FFFFFF



506464



9BB2B2



384C4C



B6CDCD



223536



D2E9E9



0D2020



EEFFFF



000609



000000



687D7D



687D7D



5C7D7D



757D7D



4F7D7D



817D7D

■ 437D7D

■ 8E7D7D

■ 367D7D

■ 9A7D7D

■ 2A7D7D

■ A77D7D

■ 1D7D7D

■ B37D7D

■ 117D7D

■ C07D7D

■ 047D7D

■ CC7D7D

■ 007D7D

■ D97D7D

# Harmonies

## Analogous

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



6B7D76



687D7D



697C83

# Triad

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



687D7D



7F7682



81786C

# Complementary

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



687D7D



7D6868

# 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.



86766F



687D7D



85757C

# Square

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



687D7D



777886



887475



7A7A6C

# Rectangle

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



687D7D



6D7B85



887475



83776C



# Sweetspot

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



687D7D



9BA3A3



687D68



4D5252



D1D1D1



525252



# Same Dimension

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



687D7D



83A3A3



68737D



394040



008080



000000



# Inverse Universe

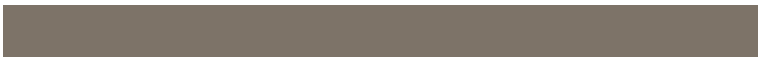
The Inverse Universe completely reimagines the original color for something new.



7D687D



A383A3



7D7368



403940



800080



000000



# Previews

## White Background



This preview shows how the Hex color 687D7D looks on a white background.

## Color Contrast Check

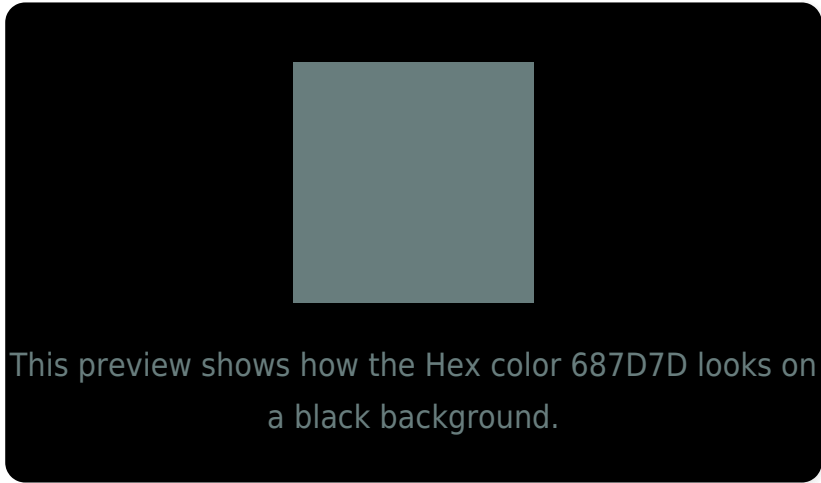
Large Text (above 18pt) WCAG AA ✓ Pass

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

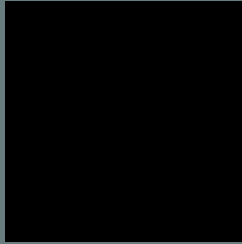
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 687D7D Background



This preview shows how black text looks on a background with the Hex color 687D7D.

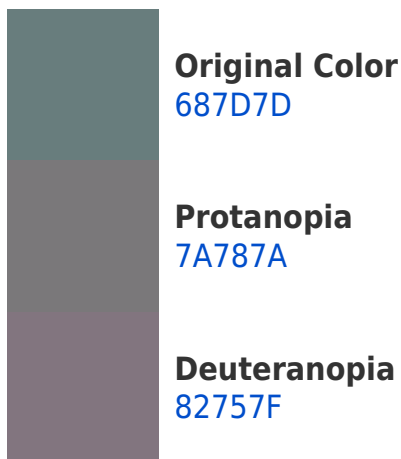


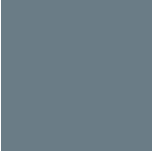
This preview shows how white text looks on a background with the Hex color 687D7D.

# 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**  
6A7C86

# Trichromacy



**Original Color**  
687D7D

**Protanomaly**  
737A7B

**Deuteranomaly**  
79787E

**Tritanomaly**  
697C83

# Monochromacy



**Original Color**  
687D7D

**Achromatopsia**  
777777

**Achromatomaly**  
727979

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687D7D 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 #687D7D looks like.

```
.text, #text, p{  
    color:#687D7D  
}
```

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 #687D7D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687D7D
}
```

## Border

The CSS property to change the border of an element to Hex 687D7D 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
#687D7D }
```

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

```
.border{ border-color:#687D7D }
```

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

Here you see how a box with a 4 pixel #687D7D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687D7D; -webkit-box-shadow:4px 4px  
4px 4px #687D7D; box-shadow:4px 4px 4px  
4px #687D7D }
```

# Background

The CSS property to change the background color of an element to Hex 687D7D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687D7D }
```

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

```
.background{ background-color:#687D7D }
```

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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