

# Converting Colors

Hex(687E85)

Have a look what the booklet for  
Hex(687E85) contains.

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# Color

**Hex(687E85)**

# Conversions

## Conversions Part 1

Format	Color
Hex	687E85
RGB	104, 126, 133
RGB Percent	41%, 49%, 52%
CMY	0.5922, 0.5059, 0.4784
CMYK	0.22, 0.05, 0.00, 0.48
HSL	194°, 12%, 46%
HSV	194°, 22%, 52%
XYZ	17.4034, 19.5582, 25.0482
YIQ	120.2200, -15.3590, -2.4870

# Conversions

## Conversions Part 2

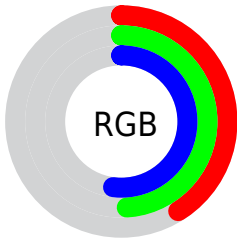
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	104, 117, 133
Decimal	6848133
CIE <sub>Lab</sub>	51.33, -6.31, -6.45
CIE <sub>LCh</sub>	51, 9.025, 225.650
Yxy	19.5582, 0.2807, 0.3154
Android (android.graphics.Color)	4285038213 (0xFF687E85)
YUV	120.2200, 6.3005, -14.2249
Hunter-Lab	44.2247, -7.1494, -2.6236

# Details

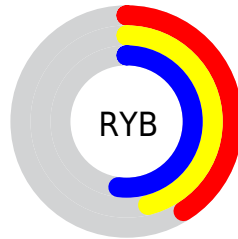
The Hex color **687E85** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **856F68**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **9CB3BA**, and **384D54** is the 20% darker color. If you saturate the color by 10%, you get **5B7B85**, and if you desaturate by 10%, it is **758185**.

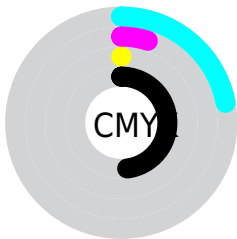
# Distribution



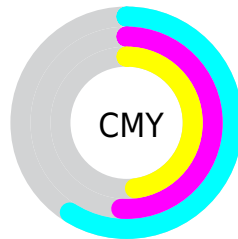
- Red (41%)
- Green (49%)
- Blue (52%)



- Red (41%)
- Yellow (46%)
- Blue (52%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (59%)
- Magenta (51%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687E85 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 687E85 by changing the saturation by 10% instead.



■ 687E85

■ 687E85

FFFFFF

■ 50656C

■ 9CB3BA

■ 384D54

■ B7CED6

■ 22363C

■ D2EAF2

■ 0C2127

■ EFFFFFF

■ 000A12

■ 000000

■ 687E85

■ 687E85

■ 5B7B85

■ 758185

■ 4D7885

■ 838485

407485

908885

337185

9D8B85

256E85

AB8E85

186B85

B89185

0B6885

C59485

006585

D29885

E09B85

# Harmonies

## Analogous

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



677F7E



687E85



6E7C89

# Triad

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



687E85



88757E



7C7B6B

# Complementary

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



687E85



856F68

# 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.



84796C



687E85



8B7576

# Square

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



687E85



817785



8A7670



737D6F

# Rectangle

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



687E85



747A89



8A7670



7F7A6B



# Sweetspot

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



687E85



A1AAAD



68856F



505557



D6D6D6



575757



# Same Dimension

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



687E85



80A3AD



687085



3C4142



006382



000203



# Inverse Universe

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



85687E



AD80A3



857D68



423C41



820063



030002



# Previews

## White Background



This preview shows how the Hex color 687E85 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

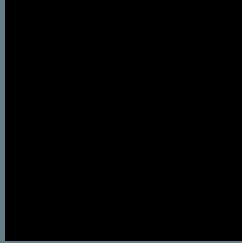
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

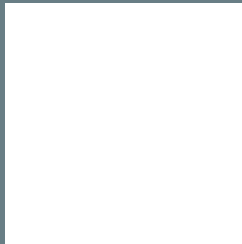
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 687E85 Background



This preview shows how black text looks on a background with the Hex color 687E85.

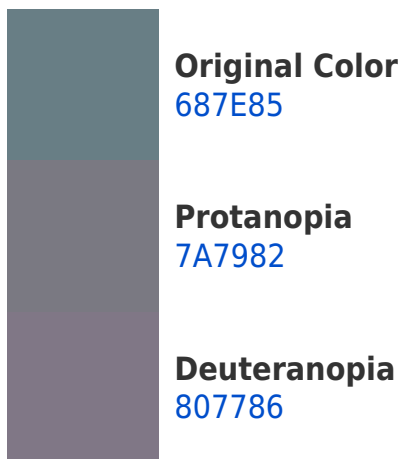


This preview shows how white text looks on a background with the Hex color 687E85.

# 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](#).

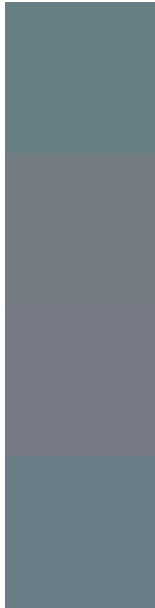
## Dichromacy





**Tritanopia**  
697E88

# Trichromacy



**Original Color**  
687E85

**Protanomaly**  
737B83

**Deuteranomaly**  
777A86

**Tritanomaly**  
697E87

# Monochromacy



**Original Color**  
687E85

**Achromatopsia**  
787878

**Achromatomaly**  
727A7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687E85 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 #687E85 looks like.

```
.text, #text, p{  
    color:#687E85  
}
```

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 #687E85 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687E85
}
```

## Border

The CSS property to change the border of an element to Hex 687E85 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
#687E85 }
```

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

```
.border{ border-color:#687E85 }
```

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

Here you see how a box with a 4 pixel #687E85 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687E85; -webkit-box-shadow:4px 4px  
4px 4px #687E85; box-shadow:4px 4px 4px  
4px #687E85 }
```

# Background

The CSS property to change the background color of an element to Hex 687E85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687E85 }
```

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

```
.background{ background-color:#687E85 }
```

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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