

# Converting Colors

Hex(688C8C)

Have a look what the booklet for  
Hex(688C8C) contains.

<b>Hex(688C8C)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(688C8C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	688C8C
RGB	104, 140, 140
RGB Percent	41%, 55%, 55%
CMY	0.5922, 0.4510, 0.4510
CMYK	0.26, 0.00, 0.00, 0.45
HSL	180°, 15%, 48%
HSV	180°, 26%, 55%
XYZ	19.8206, 23.5927, 28.3201
YIQ	129.2360, -21.4560, -7.6320

# Conversions

## Conversions Part 2

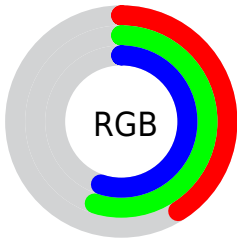
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 122, 140
Decimal	6851724
CIELab	55.68, -12.45, -4.08
CIELCh	56, 13.105, 198.158
Yxy	23.5927, 0.2763, 0.3289
Android (android.graphics.Color)	4285041804 (0xFF688C8C)
YUV	129.2360, 5.3067, -22.1320
Hunter-Lab	48.5723, -12.1620, -0.5685

# Details

The Hex color **688C8C** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **8C6868**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **9CC2C1**, and **375A5A** is the 20% darker color. If you saturate the color by 10%, you get **5A8C8C**, and if you desaturate by 10%, it is **768C8C**.

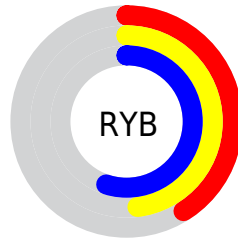
# Distribution



Red (41%)

Green (55%)

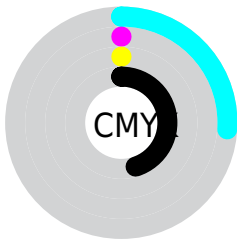
Blue (55%)



Red (41%)

Yellow (48%)

Blue (55%)

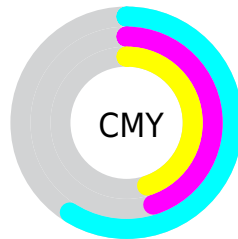


Cyan (26%)

Magenta (0%)

Yellow (0%)

Black (45%)



Cyan (59%)

Magenta (45%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 688C8C 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 688C8C by changing the saturation by 10% instead.





688C8C



688C8C

FFFFFF



4F7273



9CC2C1



375A5A



B7DEDD



204243



D3FAFA



072C2D



F0FFFF



001818



000000



688C8C



688C8C



5A8C8C



768C8C



4C8C8C



848C8C

 3E8C8C

 928C8C

 308C8C

 A08C8C

 228C8C

 AE8C8C

 148C8C

 BC8C8C

 068C8C

 CA8C8C

 008C8C

 D88C8C

 E68C8C

# Harmonies

## Analogous

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



6E8C80



688C8C



6A8B96

# Triad

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



688C8C



908095



93836F

# Complementary

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



688C8C



8C6868

# 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.



9B8075



688C8C



9A7E8A

# Square

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



688C8C



82849B



9E7E7F



878770

# Rectangle

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



688C8C



6F899A



9E7E7F



968271



# Sweetspot

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



688C8C



A7B5B5



688C68



535C5C



DBDBDB



5C5C5C



# Same Dimension

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



688C8C



7DB5B5



687A8C



3E4545



008585



000505



# Inverse Universe

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



8C688C



B57DB5



8C7A68



453E45



850085



050005



# Previews

## White Background



This preview shows how the Hex color 688C8C looks on a white background.

## Color Contrast Check

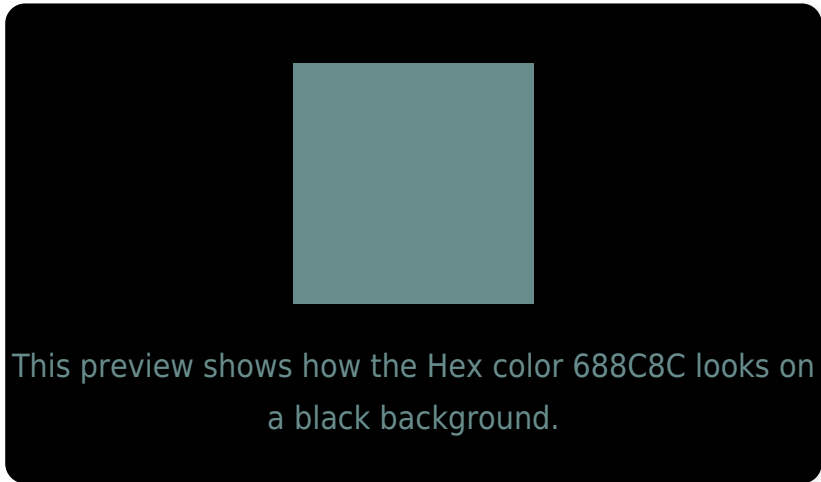
Large Text (above 18pt) WCAG AA ✓ Pass

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

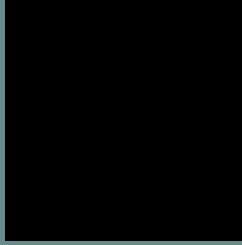
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

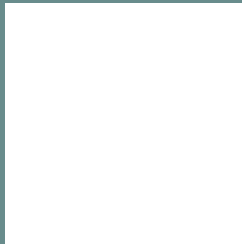
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 688C8C Background



This preview shows how black text looks on a background with the Hex color 688C8C.

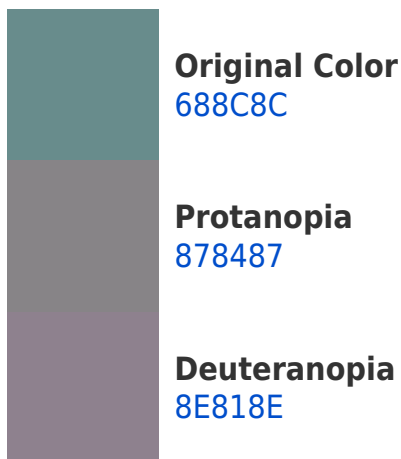


This preview shows how white text looks on a background with the Hex color 688C8C.

# 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](#).

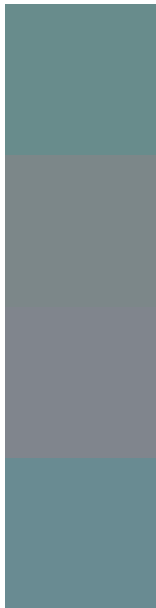
## Dichromacy





**Tritanopia**  
6A8B96

# Trichromacy



**Original Color**  
688C8C

**Protanomaly**  
7C8789

**Deuteranomaly**  
80858D

**Tritanomaly**  
698B92

# Monochromacy



**Original Color**  
688C8C

**Achromatopsia**  
818181

**Achromatomaly**  
788585

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 688C8C 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 #688C8C looks like.

```
.text, #text, p{  
    color:#688C8C  
}
```

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 #688C8C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #688C8C
}
```

## Border

The CSS property to change the border of an element to Hex 688C8C 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
#688C8C }
```

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

```
.border{ border-color:#688C8C }
```

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

Here you see how a box with a 4 pixel #688C8C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #688C8C; -webkit-box-shadow:4px 4px  
4px 4px #688C8C; box-shadow:4px 4px 4px  
4px #688C8C }
```

# Background

The CSS property to change the background color of an element to Hex 688C8C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#688C8C }
```

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

```
.background{ background-color:#688C8C }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor