

# Converting Colors

Hex(638A85)

Have a look what the booklet for  
Hex(638A85) contains.

<b>Hex(638A85)</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(638A85)

# Conversions

## Conversions Part 1

Format	Color
Hex	638A85
RGB	99, 138, 133
RGB Percent	39%, 54%, 52%
CMY	0.6118, 0.4588, 0.4784
CMYK	0.28, 0.00, 0.04, 0.46
HSL	172°, 16%, 46%
HSV	172°, 28%, 54%
XYZ	18.4677, 22.5231, 25.5643
YIQ	125.7690, -21.6390, -9.8230

# Conversions

## Conversions Part 2

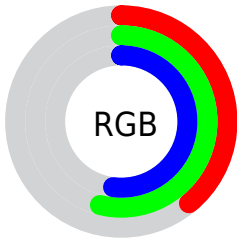
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 120, 138
Decimal	6523525
CIE <sub>Lab</sub>	54.58, -14.62, -1.70
CIE <sub>LCh</sub>	55, 14.715, 186.624
Yxy	22.5231, 0.2775, 0.3384
Android (android.graphics.Color)	4284713605 (0xFF638A85)
YUV	125.7690, 3.5649, -23.4764
Hunter-Lab	47.4585, -13.5919, 1.2833

# Details

The Hex color **638A85** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **8A6368**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **97C0BA**, and **325854** is the 20% darker color. If you saturate the color by 10%, you get **558A83**, and if you desaturate by 10%, it is **718A87**.

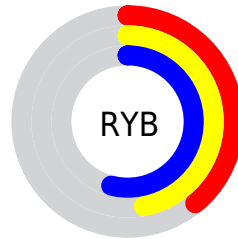
# Distribution



Red (39%)

Green (54%)

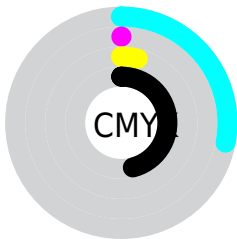
Blue (52%)



Red (39%)

Yellow (47%)

Blue (54%)

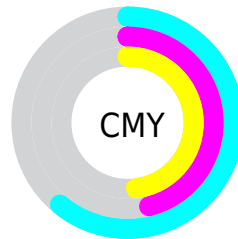


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (46%)



Cyan (61%)

Magenta (46%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 638A85 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 638A85 by changing the saturation by 10% instead.





638A85



638A85

FFFFFF



4A706C



97C0BA



325854



B2DBD6



1B403D



CEF8F2



022A27



EAEFFF



001712



000000



638A85



638A85



558A83



718A87



478A81



7F8A89

■ 3A8A80

■ 8C8A8A

■ 2C8A7E

■ 9A8A8C

■ 1E8A7C

■ A88A8E

■ 108A7A

■ B68A90

■ 028A79

■ C48A91

■ 008A78

■ D18A93

■ DF8A95

# Harmonies

## Analogous

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



6D8978



638A85



618991

# Triad

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



638A85



887E97



957E6C

# Complementary

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



638A85



8A6368

# 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.



9C7B74



638A85



967B8D

# Square

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



638A85



78839C



9D7A80



8A8369

# Rectangle

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



638A85



658897



9D7A80



987D6E



# Sweetspot

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



638A85



A4B3B1



688A63



505958



D9D9D9



595959



# Same Dimension

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



638A85



76B3AB



637C8A



3E4544



008574



000504



# Inverse Universe

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



8A6368



B3767E



8A7163



453E3F



850011



050001



# Previews

## White Background



This preview shows how the Hex color 638A85 looks on a white background.

## Color Contrast Check

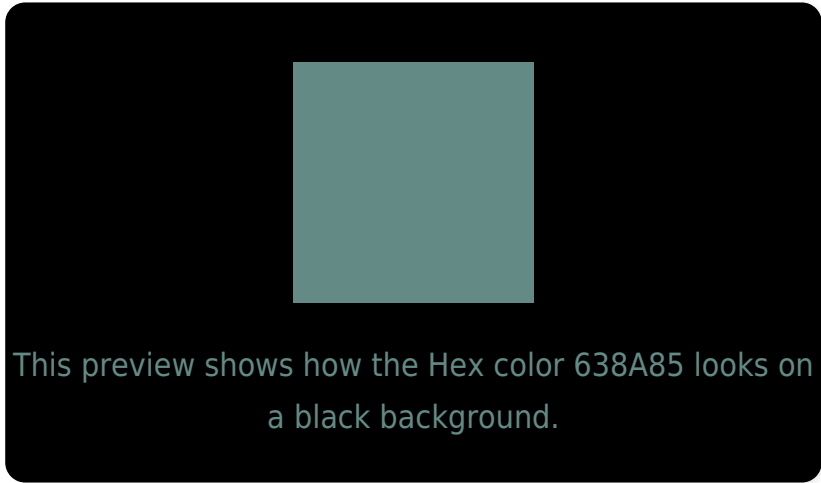
Large Text (above 18pt) WCAG AA ✓ Pass

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

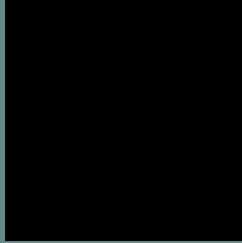
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 638A85 Background



This preview shows how black text looks on a background with the Hex color 638A85.



This preview shows how white text looks on a background with the Hex color 638A85.

# 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**  
638A85

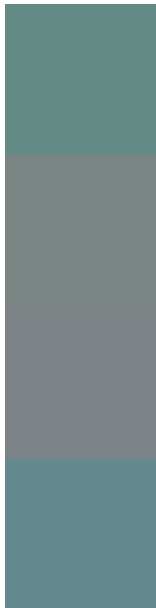
**Protanopia**  
858280

**Deuteranopia**  
8C7E87



**Tritanopia**  
668893

# Trichromacy



**Original Color**  
638A85

**Protanomaly**  
798582

**Deuteranomaly**  
7D8286

**Tritanomaly**  
65898E

# Monochromacy



**Original Color**  
638A85

**Achromatopsia**  
7E7E7E

**Achromatomaly**  
748281

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 638A85 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 #638A85 looks like.

```
.text, #text, p{  
    color:#638A85  
}
```

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 #638A85 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #638A85
}
```

## Border

The CSS property to change the border of an element to Hex 638A85 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
#638A85 }
```

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

```
.border{ border-color:#638A85 }
```

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

Here you see how a box with a 4 pixel #638A85 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #638A85; -webkit-box-shadow:4px 4px  
4px 4px #638A85; box-shadow:4px 4px 4px  
4px #638A85 }
```

# Background

The CSS property to change the background color of an element to Hex 638A85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#638A85 }
```

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

```
.background{ background-color:#638A85 }
```

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