

# Converting Colors

Hex(635F8C)

Have a look what the booklet for  
Hex(635F8C) contains.

|  |    |
|--|----|
| <b>Hex(635F8C)</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(635F8C)

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 635F8C                      |
| RGB         | 99, 95, 140                 |
| RGB Percent | 39%, 37%, 55%               |
| CMY         | 0.6118, 0.6275, 0.4510      |
| CMYK        | 0.29, 0.32, 0.00, 0.45      |
| HSL         | 245°, 19%, 46%              |
| HSV         | 245°, 32%, 55%              |
| XYZ         | 13.9714, 12.7305, 26.5318   |
| YIQ         | 101.3260, -12.0610, 14.8430 |

# Conversions

## Conversions Part 2

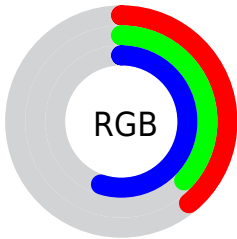
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 99, 95, 140                   |
| Decimal                             | 6512524                       |
| CIE <sub>Lab</sub>                  | 42.35, 12.35, -24.31          |
| CIE <sub>LCh</sub>                  | 42, 27.267, 296.934           |
| Yxy                                 | 12.7305, 0.2625,<br>0.2391    |
| Android<br>(android.graphics.Color) | 4284702604<br>(0xFF635F8C)    |
| YUV                                 | 101.3260, 19.0663,<br>-2.0399 |
| Hunter-Lab                          | 35.6798, 7.4568,<br>-19.1126  |

# Details

The Hex color **635F8C** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **888C5F**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **9791C2**, and **32315A** is the 20% darker color. If you saturate the color by 10%, you get **56518C**, and if you desaturate by 10%, it is **706D8C**.

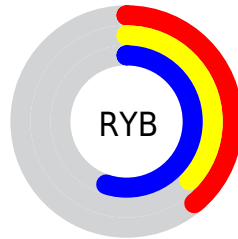
# Distribution



Red (39%)

Green (37%)

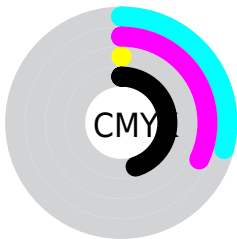
Blue (55%)



Red (39%)

Yellow (37%)

Blue (55%)

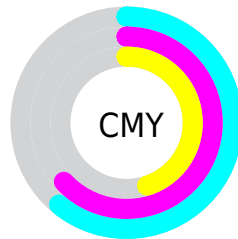


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (45%)



Cyan (61%)

Magenta (63%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 635F8C 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 635F8C by changing the saturation by 10% instead.



635F8C

635F8C

FFFFFF

4A4772

9791C2

32315A

B2ACDE

1B1C42

CEC7FA

06022C

EAE3FF

000116

000000

635F8C

635F8C

56518C

706D8C

49438C

7D7B8C

■ 3D358C

■ 89898C

■ 30278C

■ 96978C

■ 23198C

■ A3A58C

■ 160B8C

■ B0B38C

■ 0C008C

■ BCC18C

■ C9CF8C

■ D6DD8C

# Harmonies

## Analogous

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



3E6791



635F8C



7E577D

# Triad

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



635F8C



865A3F



227061

# Complementary

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



635F8C



888C5F

# 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.



436D4B



635F8C



756237

# Square

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



635F8C



8F5451



5E693B



007078

# Rectangle

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



635F8C



89536F



5E693B



2E6F59



# Sweetspot

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



635F8C



A5A3B5



5F888C



52515C



DBDBDB



5C5C5C



# Same Dimension

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



635F8C



756EB5



795F8C



3F3E45



0C0085



000005



# Inverse Universe

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



8C5F88



B56EAF



728C5F



453E44



850079



050005



# Previews

## White Background



This preview shows how the Hex color 635F8C 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 × Fail

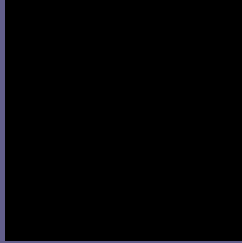
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 635F8C Background



This preview shows how black text looks on a background with the Hex color 635F8C.



This preview shows how white text looks on a background with the Hex color 635F8C.

# 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](#).

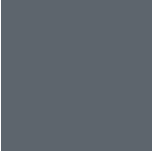
## Dichromacy



**Original Color**  
635F8C

**Protanopia**  
56628F

**Deuteranopia**  
57638B



**Tritanopia**  
5D656D

# Trichromacy



**Original Color**  
635F8C

**Protanomaly**  
5B618E

**Deuteranomaly**  
5B628B

**Tritanomaly**  
5F6378

# Monochromacy



**Original Color**  
635F8C

**Achromatopsia**  
656565

**Achromatomaly**  
646373

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 635F8C 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 #635F8C looks like.

```
.text, #text, p{  
    color:#635F8C  
}
```

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 #635F8C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #635F8C
}
```

## Border

The CSS property to change the border of an element to Hex 635F8C 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".

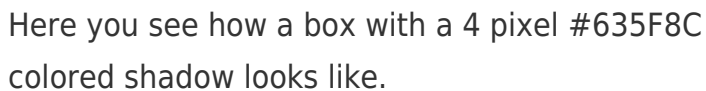
```
.border, #border, table{ border:4px solid
#635F8C }
```

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

```
.border{ border-color:#635F8C }
```

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

Here you see how a box with a 4 pixel #635F8C colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #635F8C; -webkit-box-shadow:4px 4px  
4px 4px #635F8C; box-shadow:4px 4px 4px  
4px #635F8C }
```

# Background

The CSS property to change the background color of an element to Hex 635F8C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#635F8C }
```

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

```
.background{ background-color:#635F8C }
```

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