

# Converting Colors

Hex(4F688A)

Have a look what the booklet for  
Hex(4F688A) contains.

<b>Hex(4F688A)</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(4F688A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4F688A
RGB	79, 104, 138
RGB Percent	31%, 41%, 54%
CMY	0.6902, 0.5922, 0.4588
CMYK	0.43, 0.25, 0.00, 0.46
HSL	215°, 27%, 43%
HSV	215°, 43%, 54%
XYZ	12.7622, 13.3979, 25.9582
YIQ	100.4010, -25.8140, 5.2740

# Conversions

## Conversions Part 2

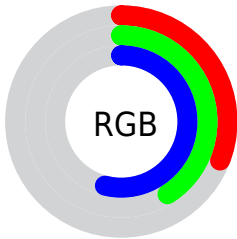
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 97, 138
Decimal	5204106
CIE Lab	43.36, 0.19, -21.67
CIE LCh	43, 21.675, 270.494
Yxy	13.3979, 0.2449, 0.2571
Android (android.graphics.Color)	4283394186 (0xFF4F688A)
YUV	100.4010, 18.5363, -18.7687
Hunter-Lab	36.6031, -1.8188, -16.4251

# Details

The Hex color **4F688A** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8A714F**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **839BC0**, and **1D3958** is the 20% darker color. If you saturate the color by 10%, you get **41608A**, and if you desaturate by 10%, it is **5D708A**.

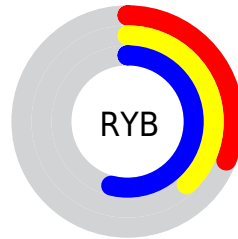
# Distribution



Red (31%)

Green (41%)

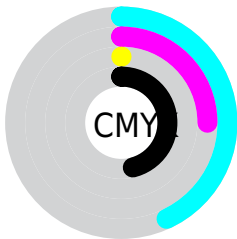
Blue (54%)



Red (31%)

Yellow (38%)

Blue (54%)

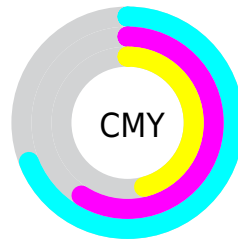


Cyan (43%)

Magenta (25%)

Yellow (0%)

Black (46%)



Cyan (69%)

Magenta (59%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4F688A 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 4F688A by changing the saturation by 10% instead.





4F688A



4F688A

FFFFFF



365070



839BC0



1D3958



9DB6DB



002440



B9D1F8



000E2A



D5EEFF



000115



F2FFFF



000000



4F688A



4F688A



41608A



5D708A



33588A



6B788A

■ 26508A

■ 78808A

■ 18488A

■ 86888A

■ 0A408A

■ 94908A

■ 003A8A

■ A2988A

■ B0A08A

■ BDA88A

■ CBB08A

# Harmonies

## Analogous

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



366D85



4F688A



696285

# Triad

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



4F688A



895A55



4B6F54

# Complementary

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



4F688A



8A714F

# 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.



606B47



4F688A



815F48

# Square

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



4F688A



895967



736542



367066

# Rectangle

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



4F688A



785E7D



736542



526E4F



# Sweetspot

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



4F688A



9BA5B3



4F8A70



4B5159



D9D9D9



595959



# Same Dimension

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



4F688A



577EB3



534F8A



3E4145



003885



000205



# Inverse Universe

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



8A4F68



B3577E



868A4F



453E41



850038

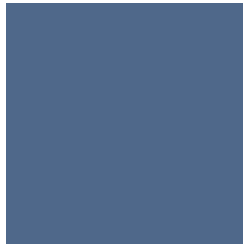


050002



# Previews

## White Background



This preview shows how the Hex color 4F688A looks on a white background.

## Color Contrast Check

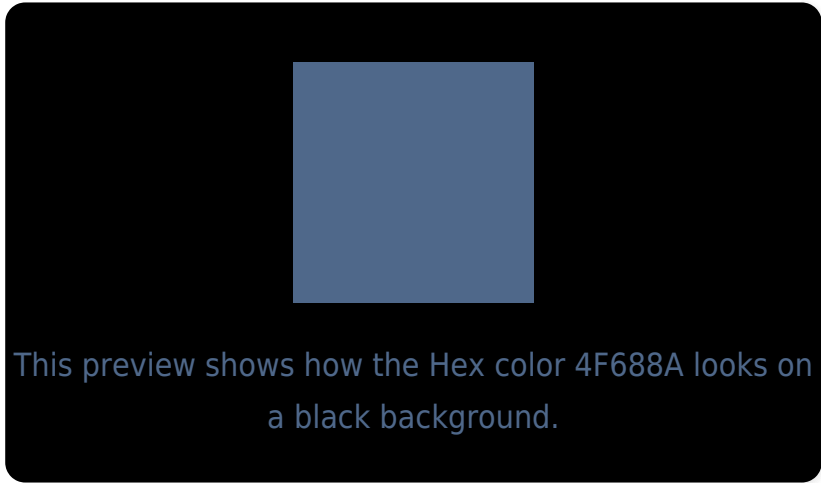
Large Text (above 18pt) WCAG AA ✓ Pass

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

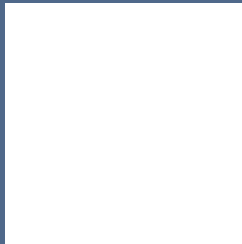
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4F688A Background



This preview shows how black text looks on a background with the Hex color 4F688A.

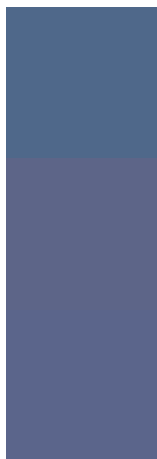


This preview shows how white text looks on a background with the Hex color 4F688A.

# 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**

4F688A

**Protanopia**

5D6588

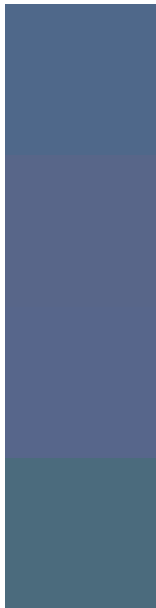
**Deuteranopia**

5B658B



**Tritanopia**  
496C75

# Trichromacy



**Original Color**  
4F688A

**Protanomaly**  
586689

**Deuteranomaly**  
57668B

**Tritanomaly**  
4B6B7D

# Monochromacy



**Original Color**  
4F688A

**Achromatopsia**  
646464

**Achromatomaly**  
5C6572

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4F688A 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 #4F688A looks like.

```
.text, #text, p{  
    color:#4F688A  
}
```

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 #4F688A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4F688A
}
```

## Border

The CSS property to change the border of an element to Hex 4F688A 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
#4F688A }
```

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

```
.border{ border-color:#4F688A }
```

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

Here you see how a box with a 4 pixel #4F688A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4F688A; -webkit-box-shadow:4px 4px  
4px 4px #4F688A; box-shadow:4px 4px 4px  
4px #4F688A }
```

# Background

The CSS property to change the background color of an element to Hex 4F688A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4F688A }
```

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

```
.background{ background-color:#4F688A }
```

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