

# Converting Colors

Hex(67688E)

Have a look what the booklet for  
Hex(67688E) contains.

<b>Hex(67688E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(67688E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67688E
RGB	103, 104, 142
RGB Percent	40%, 41%, 56%
CMY	0.5961, 0.5922, 0.4431
CMYK	0.27, 0.27, 0.00, 0.44
HSL	238°, 16%, 48%
HSV	238°, 27%, 56%
XYZ	15.4263, 14.7372, 27.6227
YIQ	108.0330, -12.7940, 11.6060

# Conversions

## Conversions Part 2

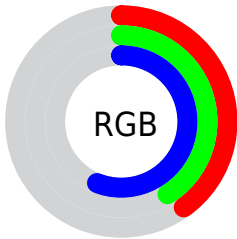
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 104, 142
Decimal	6776974
CIE Lab	45.27, 8.63, -20.97
CIE LCh	45, 22.675, 292.379
Yxy	14.7372, 0.2670, 0.2550
Android (android.graphics.Color)	4284967054 (0xFF67688E)
YUV	108.0330, 16.7457, -4.4139
Hunter-Lab	38.3890, 4.5479, -15.7896

# Details

The Hex color **67688E** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **8E8D67**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **9B9BC4**, and **37395C** is the 20% darker color. If you saturate the color by 10%, you get **595A8E**, and if you desaturate by 10%, it is **75768E**.

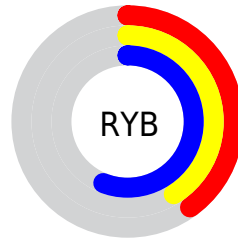
# Distribution



Red (40%)

Green (41%)

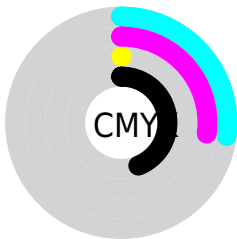
Blue (56%)



Red (40%)

Yellow (41%)

Blue (56%)

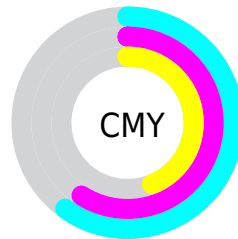


Cyan (27%)

Magenta (27%)

Yellow (0%)

Black (44%)



Cyan (60%)

Magenta (59%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 67688E 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 67688E by changing the saturation by 10% instead.





67688E



67688E

FFFFFF



4E5074



9B9BC4



37395C



B6B6E0



202444



D2D1FC



090F2E



EEEEFF



000119



000000



67688E



67688E



595A8E



75768E



4B4C8E



83848E

■ 3C3E8E

■ 92928E

■ 2E318E

■ A09F8E

■ 20238E

■ AEAD8E

■ 12158E

■ BCBB8E

■ 04078E

■ CAC98E

■ 00048E

■ D9D78E

■ E7E58E

# Harmonies

## Analogous

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



4A6E90



67688E



7F6182

# Triad

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



67688E



8B624E



3E7565

# Complementary

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



67688E



8E8D67

# 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.



547353



67688E



7D6846

# Square

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



67688E



915E5E



6A6E48



2D7579

# Rectangle

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



67688E



895E77



6A6E48



45755F



# Sweetspot

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



67688E



A9A9B8



678E8D



53535C



DBDBDB



5C5C5C



# Same Dimension

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



67688E



7B7DB8



79678E



404047



000387



000008



# Inverse Universe

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



8E6768



B87B7D



7C8E67



474040



870003



080000



# Previews

## White Background



This preview shows how the Hex color 67688E looks on a white background.

## Color Contrast Check

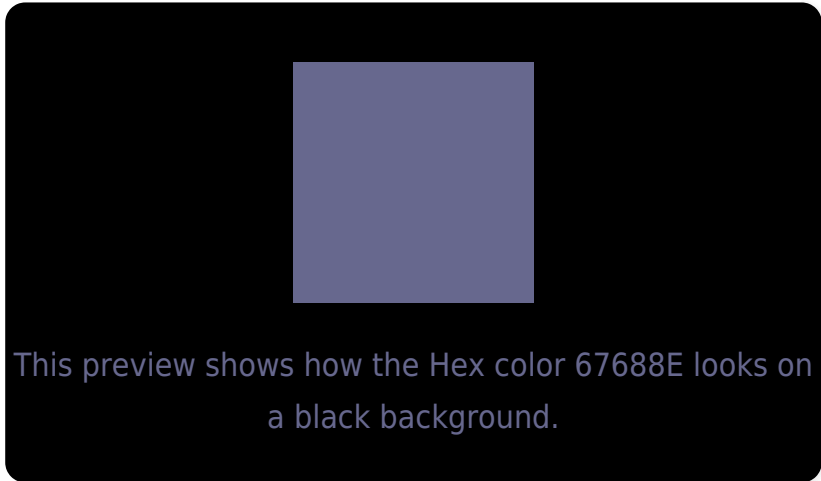
Large Text (above 18pt) WCAG AA ✓ Pass

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 67688E Background



This preview shows how black text looks on a background with the Hex color 67688E.



This preview shows how white text looks on a background with the Hex color 67688E.

# 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](#).

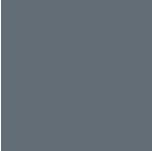
## Dichromacy



**Original Color**  
67688E

**Protanopia**  
606A8F

**Deuteranopia**  
62698E



**Tritanopia**  
626D75

# Trichromacy



**Original Color**  
67688E

**Protanomaly**  
63698F

**Deuteranomaly**  
64698E

**Tritanomaly**  
646B7E

# Monochromacy



**Original Color**  
67688E

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
6A6B78

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 67688E 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 #67688E looks like.

```
.text, #text, p{  
    color:#67688E  
}
```

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 #67688E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #67688E
}
```

## Border

The CSS property to change the border of an element to Hex 67688E is called "border". The border property can be set on classes, ids or directly on the HTML element.

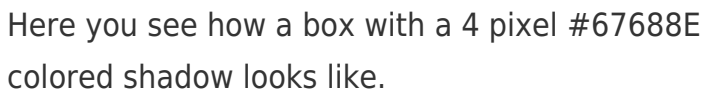
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#67688E }
```

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

```
.border{ border-color:#67688E }
```

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



Here you see how a box with a 4 pixel #67688E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #67688E; -webkit-box-shadow:4px 4px  
4px 4px #67688E; box-shadow:4px 4px 4px  
4px #67688E }
```

# Background

The CSS property to change the background color of an element to Hex 67688E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#67688E }
```

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

```
.background{ background-color:#67688E }
```

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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