

# Converting Colors

Hex(68778B)

Have a look what the booklet for  
Hex(68778B) contains.

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# Color

**Hex(68778B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68778B
RGB	104, 119, 139
RGB Percent	41%, 47%, 55%
CMY	0.5922, 0.5333, 0.4549
CMYK	0.25, 0.14, 0.00, 0.45
HSL	214°, 14%, 48%
HSV	214°, 25%, 55%
XYZ	16.9659, 18.0008, 27.0064
YIQ	116.7950, -15.3600, 3.0400

# Conversions

## Conversions Part 2

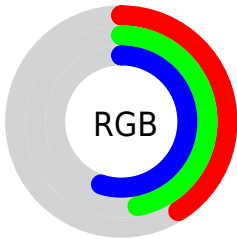
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 115, 139
Decimal	6846347
CIELab	49.50, -0.79, -12.73
CIELCh	49, 12.759, 266.449
Yxy	18.0008, 0.2738, 0.2905
Android (android.graphics.Color)	4285036427 (0xFF68778B)
YUV	116.7950, 10.9471, -11.2212
Hunter-Lab	42.4273, -2.8688, -8.0409

# Details

The Hex color **68778B** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8B7C68**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **9CABC1**, and **384759** is the 20% darker color. If you saturate the color by 10%, you get **5A6F8B**, and if you desaturate by 10%, it is **767F8B**.

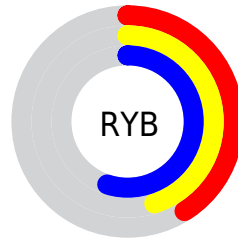
# Distribution



Red (41%)

Green (47%)

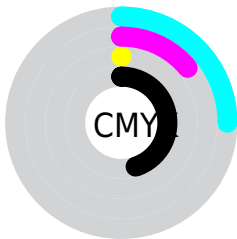
Blue (55%)



Red (41%)

Yellow (45%)

Blue (55%)

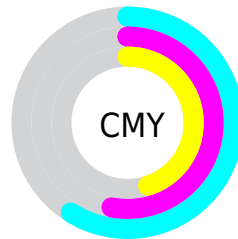


Cyan (25%)

Magenta (14%)

Yellow (0%)

Black (45%)



Cyan (59%)

Magenta (53%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68778B 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 68778B by changing the saturation by 10% instead.





68778B



68778B

FFFFFF



4F5E72



9CABC1



384759



B7C6DC



213042



D3E2F9



0B1C2B



FFFFFF



000117



000000



68778B



68778B



5A6F8B



767F8B



4C678B



84878B

■ 3E5F8B

■ 928F8B

■ 30578B

■ A0978B

■ 234F8B

■ AD9F8B

■ 15478B

■ BBA78B

■ 073F8B

■ C9AF8B

■ 003C8B

■ D7B78B

■ E5BE8B

# Harmonies

## Analogous

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



5D7A87



68778B



767389

# Triad

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



68778B



8C6F6D



677B69

# Complementary

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



68778B



8B7C68

# 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.



747862



68778B



887164

# Square

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



68778B



8B6E77



807460



5D7C74

# Rectangle

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



68778B



7F7185



807460



6B7A67



# Sweetspot

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



68778B



A7ADB5



688B7C



53575C



DBDBDB



5C5C5C



# Same Dimension

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



68778B



7F96B5



6A688B



3E4145



003985



000205



# Inverse Universe

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



8B6877



B57F96



898B68



453E41



850039



050002



# Previews

## White Background



This preview shows how the Hex color 68778B looks on a white background.

## Color Contrast Check

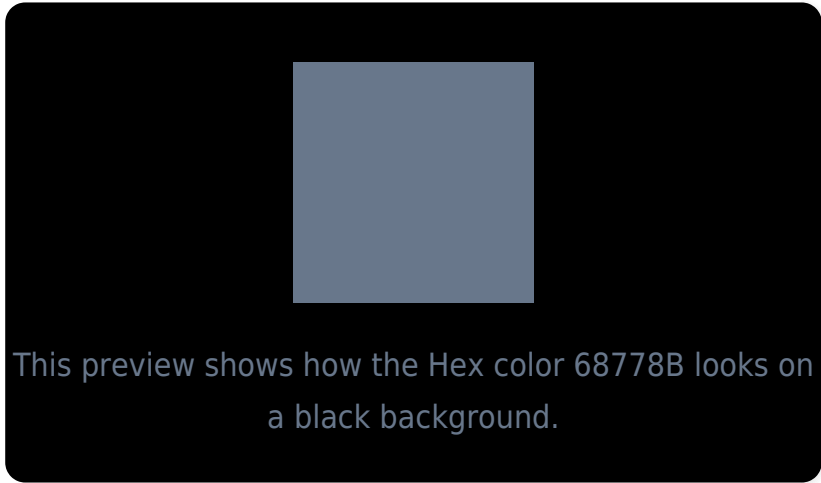
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

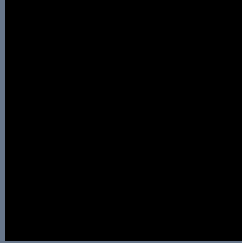
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

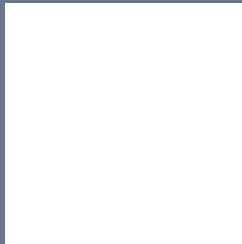
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 68778B Background



This preview shows how black text looks on a background with the Hex color 68778B.



This preview shows how white text looks on a background with the Hex color 68778B.

# 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**  
68778B

**Protanopia**  
717489

**Deuteranopia**  
76738C



**Tritanopia**  
667982

# Trichromacy



**Original Color**  
68778B

**Protanomaly**  
6E758A

**Deuteranomaly**  
71748C

**Tritanomaly**  
677885

# Monochromacy



**Original Color**  
68778B

**Achromatopsia**  
757575

**Achromatomaly**  
70767D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68778B 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 #68778B looks like.

```
.text, #text, p{  
    color:#68778B  
}
```

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 #68778B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68778B
}
```

## Border

The CSS property to change the border of an element to Hex 68778B 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
#68778B }
```

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

```
.border{ border-color:#68778B }
```

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

Here you see how a box with a 4 pixel #68778B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68778B; -webkit-box-shadow:4px 4px  
4px 4px #68778B; box-shadow:4px 4px 4px  
4px #68778B }
```

# Background

The CSS property to change the background color of an element to Hex 68778B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68778B }
```

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

```
.background{ background-color:#68778B }
```

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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