

# Converting Colors

Hex(677870)

Have a look what the booklet for  
Hex(677870) contains.

<b>Hex(677870)</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(677870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	677870
RGB	103, 120, 112
RGB Percent	40%, 47%, 44%
CMY	0.5961, 0.5294, 0.5608
CMYK	0.14, 0.00, 0.07, 0.53
HSL	152°, 8%, 44%
HSV	152°, 14%, 47%
XYZ	15.2346, 17.4864, 17.9015
YIQ	114.0050, -7.5640, -6.0920

# Conversions

## Conversions Part 2

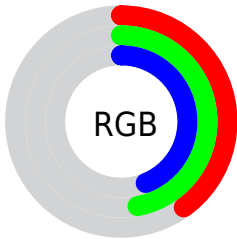
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 114, 120
Decimal	6781040
CIE Lab	48.87, -8.00, 2.27
CIE LCh	49, 8.314, 164.122
Yxy	17.4864, 0.3009, 0.3454
Android (android.graphics.Color)	4284971120 (0xFF677870)
YUV	114.0050, -0.9885, -9.6514
Hunter-Lab	41.8167, -8.1483, 3.8900

# Details

The Hex color **677870** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **78676F**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **9AACA4**, and **384840** is the 20% darker color. If you saturate the color by 10%, you get **5B786A**, and if you desaturate by 10%, it is **737876**.

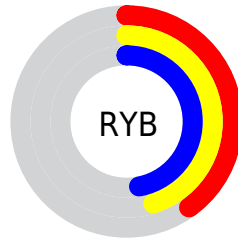
# Distribution



Red (40%)

Green (47%)

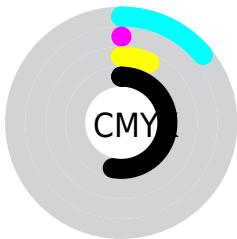
Blue (44%)



Red (40%)

Yellow (45%)

Blue (47%)

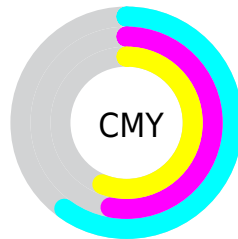


Cyan (14%)

Magenta (0%)

Yellow (7%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 677870 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 677870 by changing the saturation by 10% instead.



677870

677870

FFFFFF

4F5F58

9AACA4

384840

B5C8BF

22312A

D1E4DB

0E1C16

EDFFF7

000000

677870

677870

5B786A

737876

4F7865

7F787B

43785F

8B7881

■ 377859

■ 977887

■ 2B7854

■ A3788C

■ 1F784E

■ AF7892

■ 137848

■ BB7898

■ 077843

■ C7789D

■ 007840

■ D378A3

# Harmonies

## Analogous

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



6E776A



677870



637877

# Triad

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



677870



717482



82706B

# Complementary

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



677870



78676F

# 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.



836F71



677870



7A717E

# Square

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



677870



697681



807078



7E7267

# Rectangle

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



677870



63787C



807078



83706C



# Sweetspot

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



677870



959C99



6F7867



4B4F4D



CFCFCF



4F4F4F



# Same Dimension

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



677870



819C8F



677878



373D3A



007D42



00FC86



# Inverse Universe

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



78676F



9C818E



786767



3D373A



7D003B



FC0077



# Previews

## White Background



This preview shows how the Hex color 677870 looks on a white background.

## Color Contrast Check

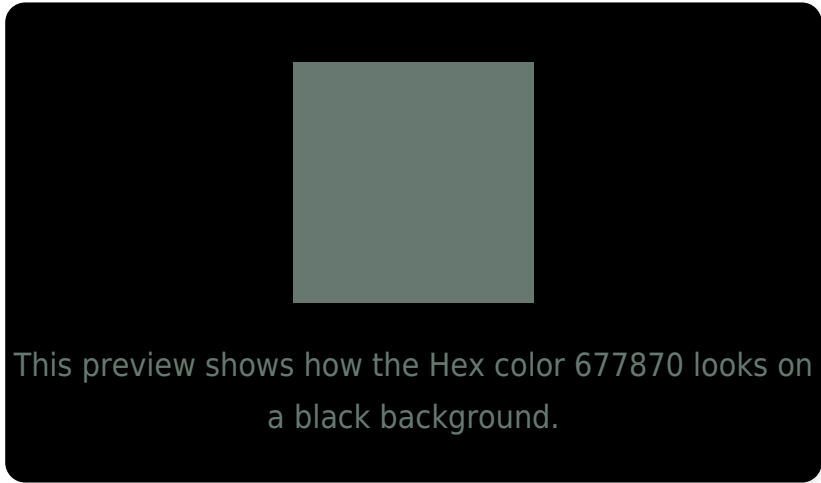
Large Text (above 18pt) WCAG AA ✓ Pass

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

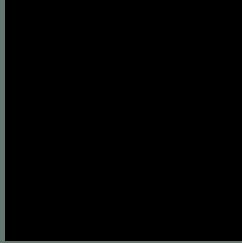
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 677870 Background



This preview shows how black text looks on a background with the Hex color 677870.



This preview shows how white text looks on a background with the Hex color 677870.

# 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](#).

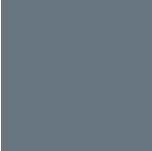
## Dichromacy



**Original Color**  
677870

**Protanopia**  
77736D

**Deuteranopia**  
807072



**Tritanopia**  
6A767F

# Trichromacy



**Original Color**  
677870

**Protanomaly**  
71756E

**Deuteranomaly**  
777371

**Tritanomaly**  
69777A

# Monochromacy



**Original Color**  
677870

**Achromatopsia**  
727272

**Achromatomaly**  
6E7471

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 677870 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 #677870 looks like.

```
.text, #text, p{  
    color:#677870  
}
```

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 #677870 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #677870
}
```

## Border

The CSS property to change the border of an element to Hex 677870 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
#677870 }
```

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

```
.border{ border-color:#677870 }
```

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

Here you see how a box with a 4 pixel #677870 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #677870; -webkit-box-shadow:4px 4px  
4px 4px #677870; box-shadow:4px 4px 4px  
4px #677870 }
```

# Background

The CSS property to change the background color of an element to Hex 677870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#677870 }
```

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

```
.background{ background-color:#677870 }
```

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