

# Converting Colors

Hex(677B70)

Have a look what the booklet for  
Hex(677B70) contains.

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# Color

Hex(677B70)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 677B70                     |
| RGB           | 103, 123, 112              |
| RGB Percent   | 40%, 48%, 44%              |
| CMY           | 0.5961, 0.5176, 0.5608     |
| CMYK          | 0.16, 0.00, 0.09, 0.52     |
| HSL           | 147°, 9%, 44%              |
| HSV           | 147°, 16%, 48%             |
| XYZ           | 15.6011, 18.2193, 18.0237  |
| YIQ           | 115.7660, -8.3890, -7.6610 |

# Conversions

## Conversions Part 2

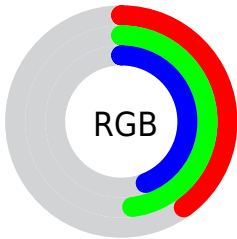
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 103, 117, 123                  |
| Decimal                             | 6781808                        |
| CIELab                              | 49.76, -9.69, 3.57             |
| CIElCh                              | 50, 10.325, 159.788            |
| Yxy                                 | 18.2193, 0.3009,<br>0.3514     |
| Android<br>(android.graphics.Color) | 4284971888<br>(0xFF677B70)     |
| YUV                                 | 115.7660, -1.8566,<br>-11.1958 |
| Hunter-Lab                          | 42.6841, -9.4552,<br>4.8433    |

# Details

The Hex color **677B70** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7B6772**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **9AAFA4**, and **384A40** is the 20% darker color. If you saturate the color by 10%, you get **5B7B69**, and if you desaturate by 10%, it is **737B77**.

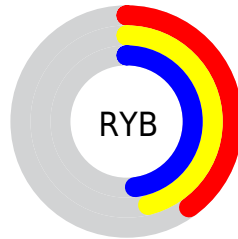
# Distribution



Red (40%)

Green (48%)

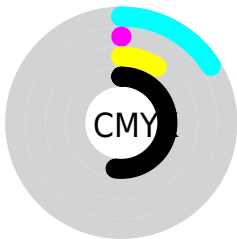
Blue (44%)



Red (40%)

Yellow (46%)

Blue (48%)

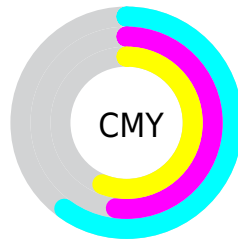


Cyan (16%)

Magenta (0%)

Yellow (9%)

Black (52%)



Cyan (60%)

Magenta (52%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 677B70 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 677B70 by changing the saturation by 10% instead.



677B70

677B70

FFFFFF

4F6258

9AAFA4

384A40

B5CBBF

22342A

D1E7DB

0D1E16

EDFFF7

000000

677B70

677B70

5B7B69

737B77

4E7B62

807B7E

427B5C

8C7B84

 367B55


 987B8B

 2A7B4E

 A57B92

 1D7B47

 B17B99

 117B41

 BD7B9F

 057B3A

 C97BA6

 007B37

 D67BAD

# Harmonies

## Analogous

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



707969



677B70



617C79

# Triad

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



677B70



717687



88716B

# Complementary

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



677B70



7B6772

# 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.



897074



677B70



7C7384

# Square

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



677B70



667986



84717D



837466

# Rectangle

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



677B70



607B7F



84717D



89716E



# Sweetspot

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



677B70



99A19C



727B67



4D524F



D1D1D1



525252



# Same Dimension

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



677B70



81A18F



677B7A



373D3A



007D38



00FC72



# Inverse Universe

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



7B6772



A18192



7B6768



3D373A



7D0045



FC008B



# Previews

## White Background



This preview shows how the Hex color 677B70 looks on a white background.

## Color Contrast Check

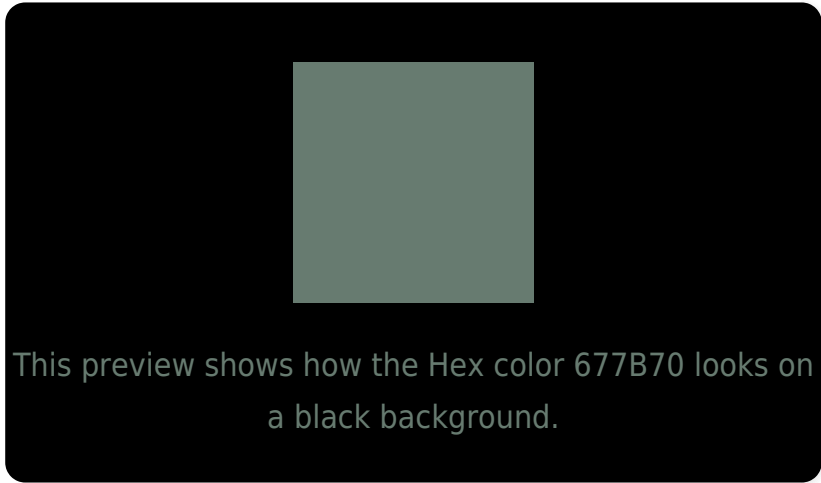
Large Text (above 18pt) WCAG AA ✓ Pass

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

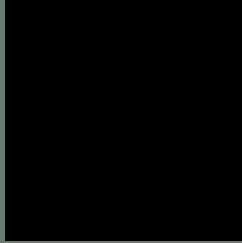
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 677B70 Background



This preview shows how black text looks on a background with the Hex color 677B70.

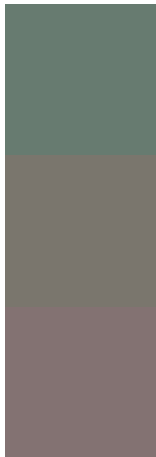


This preview shows how white text looks on a background with the Hex color 677B70.

# 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**  
677B70

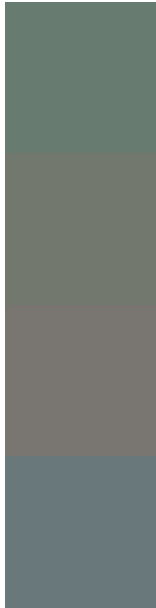
**Protanopia**  
7A766D

**Deuteranopia**  
837272



**Tritanopia**  
6A7882

# Trichromacy



**Original Color**  
677B70

**Protanomaly**  
73786E

**Deuteranomaly**  
797571

**Tritanomaly**  
69797B

# Monochromacy



**Original Color**  
677B70

**Achromatopsia**  
747474

**Achromatomaly**  
6F7773

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 677B70 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 #677B70 looks like.

```
.text, #text, p{  
    color:#677B70  
}
```

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 #677B70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #677B70
}
```

## Border

The CSS property to change the border of an element to Hex 677B70 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
#677B70 }
```

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

```
.border{ border-color:#677B70 }
```

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

Here you see how a box with a 4 pixel #677B70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #677B70; -webkit-box-shadow:4px 4px  
4px 4px #677B70; box-shadow:4px 4px 4px  
4px #677B70 }
```

# Background

The CSS property to change the background color of an element to Hex 677B70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#677B70 }
```

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

```
.background{ background-color:#677B70 }
```

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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