

# Converting Colors

Hex(677B38)

Have a look what the booklet for  
Hex(677B38) contains.

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**Color**

**Hex(677B38)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	677B38
RGB	103, 123, 56
RGB Percent	40%, 48%, 22%
CMY	0.5961, 0.5176, 0.7804
CMYK	0.16, 0.00, 0.54, 0.52
HSL	78°, 37%, 35%
HSV	78°, 54%, 48%
XYZ	13.3903, 17.3350, 6.3816
YIQ	109.3820, 9.5870, -25.0770

# Conversions

## Conversions Part 2

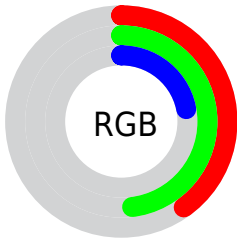
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 123, 76
Decimal	6781752
CIELab	48.68, -18.62, 33.83
CIELCh	49, 38.615, 118.833
Yxy	17.3350, 0.3609, 0.4672
Android (android.graphics.Color)	4284971832 (0xFF677B38)
YUV	109.3820, -26.3173, -5.5970
Hunter-Lab	41.6353, -15.4547, 20.0571

# Details

The Hex color **677B38** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4C387B**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **9CB069**, and **364A07** is the 20% darker color. If you saturate the color by 10%, you get **637B2C**, and if you desaturate by 10%, it is **6B7B44**.

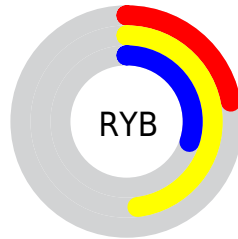
# Distribution



Red (40%)

Green (48%)

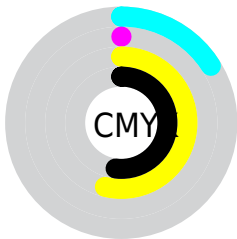
Blue (22%)



Red (22%)

Yellow (48%)

Blue (30%)

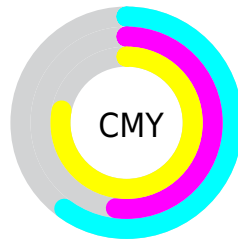


Cyan (16%)

Magenta (0%)

Yellow (54%)

Black (52%)



Cyan (60%)

Magenta (52%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 677B38 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 677B38 by changing the saturation by 10% instead.





677B38



677B38

FFFFFF



4E6220



9CB069



364A07



B7CB83



203300



D3E79D



001F00



F0FFB8



000000



FFFFD4



FFFFF1



677B38



677B38



637B2C



6B7B44

■ 607B1F

■ 6E7B51

■ 5C7B13

■ 727B5D

■ 587B07

■ 767B69

■ 567B00

■ 797B76

■ 7D7B82

■ 817B8E

■ 847B9A

■ 887BA7

# Harmonies

## Analogous

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



887130



677B38



3D8150

# Triad

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



677B38



0080AB



AE5876

# Complementary

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



677B38



4C387B

# 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.



9B5F96



677B38



3377B5

# Square

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



677B38



008492



746CAD



B05B56

# Rectangle

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



677B38



058366



746CAD



AA5981



# Sweetspot

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



677B38



99A187



7B4B38



4D5242



D1D1D1



525252



# Same Dimension

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



677B38



81A138



477B38



3B3D37



587D00



B1FC00



# Inverse Universe

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



4C387B



5738A1



6C387B



39373D



25007D



4B00FC



# Previews

## White Background



This preview shows how the Hex color 677B38 looks on a white background.

## Color Contrast Check

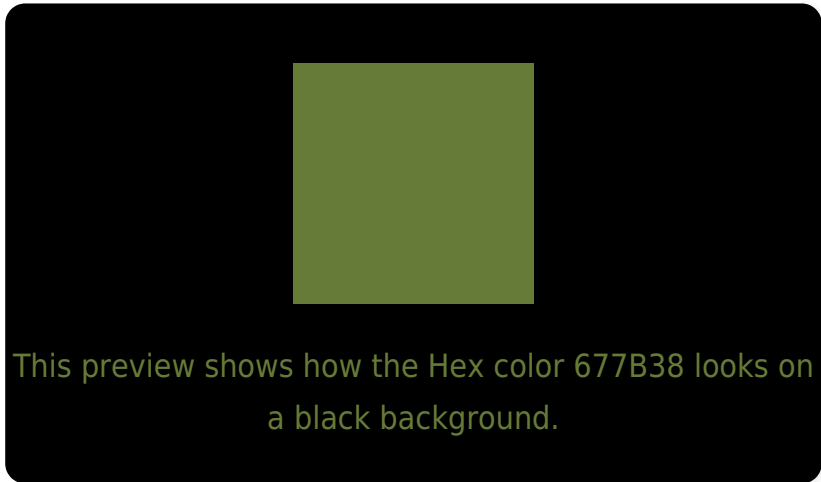
Large Text (above 18pt) WCAG AA ✓ Pass

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

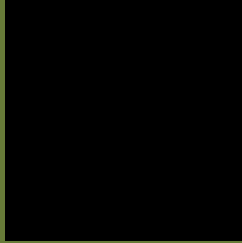
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 677B38 Background



This preview shows how black text looks on a background with the Hex color 677B38.



This preview shows how white text looks on a background with the Hex color 677B38.

# 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**  
677B38

**Protanopia**  
807436

**Deuteranopia**  
8E6E3B



**Tritanopia**  
6F747D

# Trichromacy



**Original Color**  
677B38

**Protanomaly**  
777737

**Deuteranomaly**  
80733A

**Tritanomaly**  
6C7764

# Monochromacy



**Original Color**  
677B38

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
6B725A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 677B38 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 #677B38 looks like.

```
.text, #text, p{  
    color:#677B38  
}
```

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 #677B38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #677B38
}
```

## Border

The CSS property to change the border of an element to Hex 677B38 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
#677B38 }
```

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

```
.border{ border-color:#677B38 }
```

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

Here you see how a box with a 4 pixel #677B38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #677B38; -webkit-box-shadow:4px 4px  
4px 4px #677B38; box-shadow:4px 4px 4px  
4px #677B38 }
```

# Background

The CSS property to change the background color of an element to Hex 677B38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#677B38 }
```

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

```
.background{ background-color:#677B38 }
```

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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