

# Converting Colors

Hex(677B17)

Have a look what the booklet for  
Hex(677B17) contains.

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**Color**

**Hex(677B17)**

# Conversions

## Conversions Part 1

Format	Color
Hex	677B17
RGB	103, 123, 23
RGB Percent	40%, 48%, 9%
CMY	0.5961, 0.5176, 0.9098
CMYK	0.16, 0.00, 0.81, 0.52
HSL	72°, 68%, 29%
HSV	72°, 81%, 48%
XYZ	12.8311, 17.1113, 3.4372
YIQ	105.6200, 20.1800, -35.3400

# Conversions

## Conversions Part 2

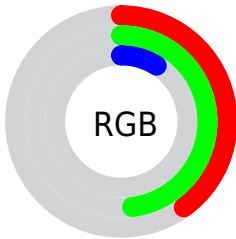
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 123, 43
Decimal	6781719
CIE Lab	48.40, -21.09, 47.83
CIE LCh	48, 52.270, 113.798
Yxy	17.1113, 0.3844, 0.5126
Android (android.graphics.Color)	4284971799 (0xFF677B17)
YUV	105.6200, -40.7317, -2.2977
Hunter-Lab	41.3659, -17.0220, 24.0296

# Details

The Hex color **677B17** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2B177B**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **9DAF4C**, and **354A00** is the 20% darker color. If you saturate the color by 10%, you get **657B0B**, and if you desaturate by 10%, it is **697B23**.

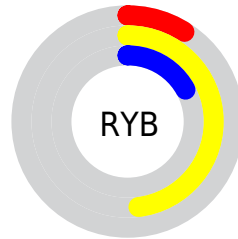
# Distribution



Red (40%)

Green (48%)

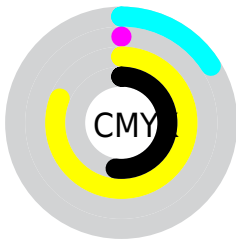
Blue (9%)



Red (9%)

Yellow (48%)

Blue (17%)

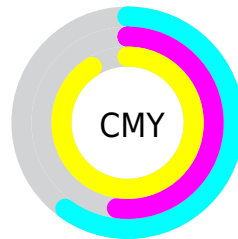


Cyan (16%)

Magenta (0%)

Yellow (81%)

Black (52%)



Cyan (60%)

Magenta (52%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 677B17 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 677B17 by changing the saturation by 10% instead.





677B17



677B17

FFFFFF



4D6200



9DAF4C



354A00



B9CB66



1A3400



D5E780



001F00



F2FF9B



000000



FFFFB7



FFFFD3



FFFFF0



677B17



677B17

■ 657B0B

■ 697B23

■ 627B00

■ 6C7B30

■ 6E7B3C

■ 717B48

■ 737B55

■ 767B61

■ 787B6D

■ 7B7B79

■ 7D7B86

# Harmonies

## Analogous

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



916E0E



677B17



2A833C

# Triad

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



677B17



0084BA



BD497E

# Complementary

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



677B17



2B177B

# 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.



9F57A8



677B17



007BCB

# Square

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



677B17



008895



626BC4



C24B52

# Rectangle

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



677B17



008659



626BC4



B64C8D



# Sweetspot

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



677B17



99A17A



7B2B17



4D523A



D1D1D1



525252



# Same Dimension

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



677B17



81A103



357B17



3C3D37



647D00



CAFC00



# Inverse Universe

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



2B177B



2303A1



5D177B



38373D



19007D



3200FC



# Previews

## White Background



This preview shows how the Hex color 677B17 looks on a white background.

## Color Contrast Check

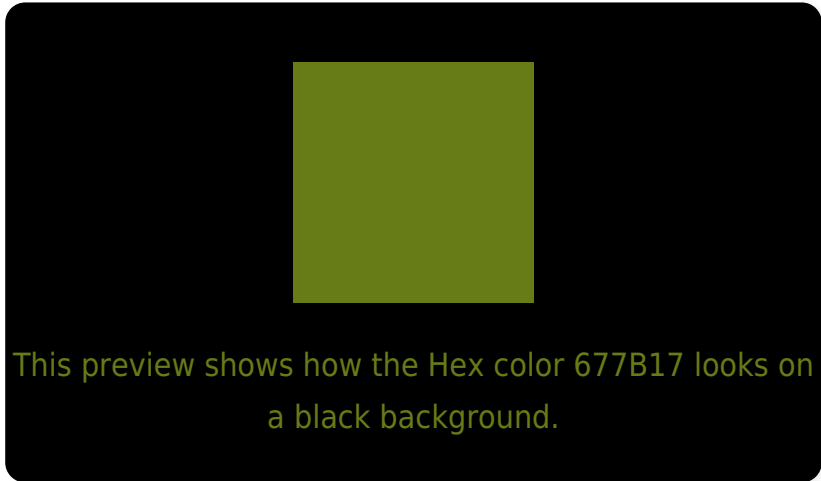
Large Text (above 18pt) WCAG AA ✓ Pass

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

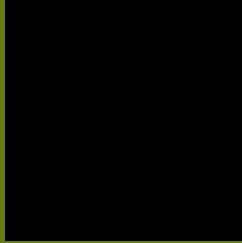
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 677B17 Background



This preview shows how black text looks on a background with the Hex color 677B17.



This preview shows how white text looks on a background with the Hex color 677B17.

# 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**  
677B17

**Protanopia**  
817315

**Deuteranopia**  
906D1F



**Tritanopia**  
71737C

# Trichromacy



**Original Color**  
677B17

**Protanomaly**  
787616

**Deuteranomaly**  
81721C

**Tritanomaly**  
6D7657

# Monochromacy



**Original Color**  
677B17

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
69704C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 677B17 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 #677B17 looks like.

```
.text, #text, p{  
    color:#677B17  
}
```

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 #677B17 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #677B17
}
```

## Border

The CSS property to change the border of an element to Hex 677B17 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
#677B17 }
```

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

```
.border{ border-color:#677B17 }
```

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

Here you see how a box with a 4 pixel #677B17 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #677B17; -webkit-box-shadow:4px 4px  
4px 4px #677B17; box-shadow:4px 4px 4px  
4px #677B17 }
```

# Background

The CSS property to change the background color of an element to Hex 677B17 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#677B17 }
```

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

```
.background{ background-color:#677B17 }
```

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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