

# Converting Colors

Hex(77E748)

Have a look what the booklet for  
Hex(77E748) contains.

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**Color**

**Hex(77E748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77E748
RGB	119, 231, 72
RGB Percent	47%, 91%, 28%
CMY	0.5333, 0.0941, 0.7176
CMYK	0.48, 0.00, 0.69, 0.09
HSL	102°, 77%, 59%
HSV	102°, 69%, 91%
XYZ	37.3534, 61.5416, 16.0409
YIQ	179.3860, -15.7130, -73.1930

# Conversions

## Conversions Part 2

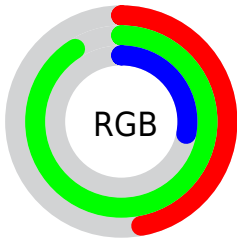
Format	Color
<a href="#">RYB</a>	<a href="#">72, 231, 184</a>
Decimal	<a href="#">7857992</a>
CIELab	<a href="#">82.67, -59.06, 64.49</a>
CIElCh	<a href="#">83, 87.445, 132.482</a>
Yxy	<a href="#">61.5416, 0.3250, 0.5354</a>
Android (android.graphics.Color)	<a href="#">4286048072 (0xFF77E748)</a>
YUV	<a href="#">179.3860, -52.9413, -52.9585</a>
Hunter-Lab	<a href="#">78.4485, -52.2918, 42.7905</a>

# Details

The Hex color **77E748** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **B848E7**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **B3FF80**, and **36AE00** is the 20% darker color. If you saturate the color by 10%, you get **67E731**, and if you desaturate by 10%, it is **87E75F**.

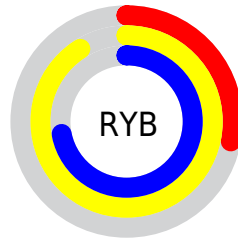
# Distribution



Red (47%)

Green (91%)

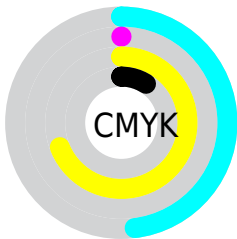
Blue (28%)



Red (28%)

Yellow (91%)

Blue (72%)

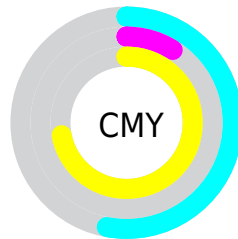


Cyan (48%)

Magenta (0%)

Yellow (69%)

Black (9%)



Cyan (53%)

Magenta (9%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77E748 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 77E748 by changing the saturation by 10% instead.



 77E748

 77E748

FFFFFF

 58CA29

 B3FF80

 36AE00

 D1FF9C

 009300

 EFFF80

 007800

 FFFFD6

 005F00

 FFFFF3

 004500

 002F00

 001100

 000000

 77E748

 77E748

 67E731

 87E75F

 56E71A

 98E776

 46E703

 A8E78D

 44E700

 B8E7A4

 C8E7BB

 D9E7D3

 E9E7EA

 F9E7FF

 FFE7FF

# Harmonies

## Analogous

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



D5D500



77E748



00F199

# Triad

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



77E748



00E4FF



FF79AF

# Complementary

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



77E748



B848E7

# 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.



FF83FF



77E748



51CCFF

# Square

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



77E748



00F1FF



FCA8FF



FF9462

# Rectangle

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



77E748



00F3D2



FCA8FF



FF78CA

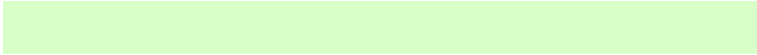


# Sweetspot

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



77E748



D9FFC9



E7B748



698060



000000



808080



# Same Dimension

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



77E748



6AFF2B



48E768



6B7367



35B300



0F3300



# Inverse Universe

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



B848E7



C02BFF



E748C7



6F6773



7E00B3

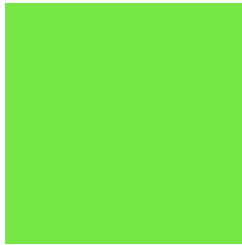


240033



# Previews

## White Background



This preview shows how the Hex color 77E748 looks on a white background.

## Color Contrast Check

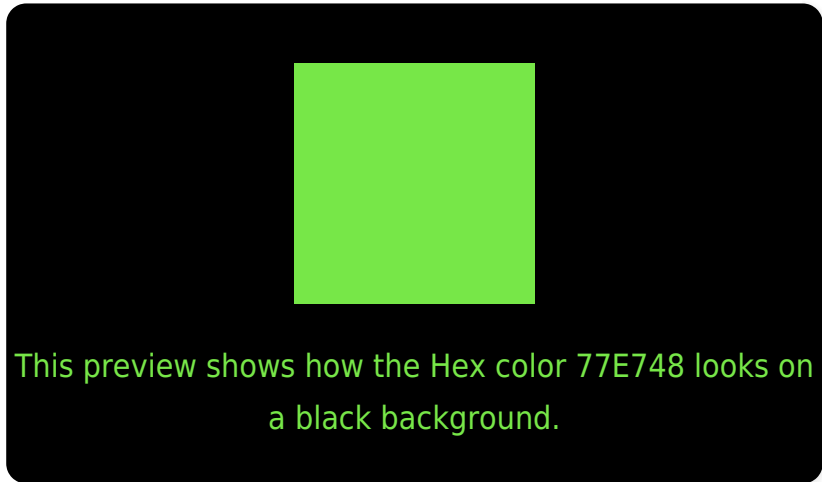
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

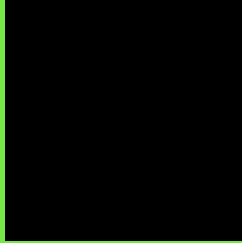
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

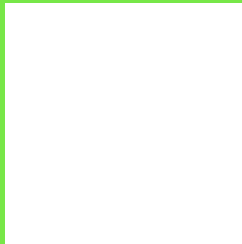
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77E748 Background



This preview shows how black text looks on a background with the Hex color 77E748.

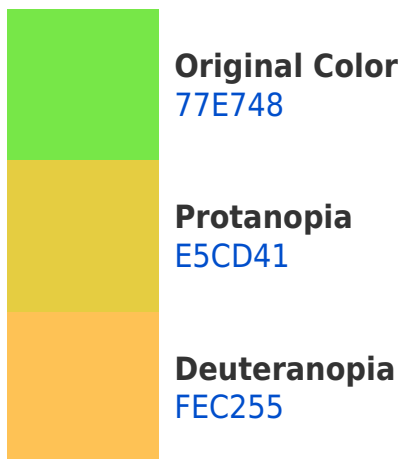


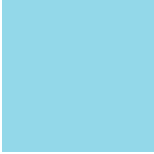
This preview shows how white text looks on a background with the Hex color 77E748.

# 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





**Tritanopia**  
93D8E9

# Trichromacy



**Original Color**  
77E748



**Protanomaly**  
BDD644



**Deuteranomaly**  
CDCF50

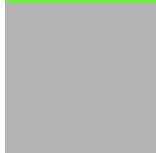


**Tritanomaly**  
89DDAE

# Monochromacy



**Original Color**  
77E748



**Achromatopsia**  
B3B3B3



**Achromatomaly**  
9DC68C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77E748 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 #77E748 looks like.

```
.text, #text, p{  
    color:#77E748  
}
```

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 #77E748 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77E748
}
```

## Border

The CSS property to change the border of an element to Hex 77E748 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
#77E748 }
```

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

```
.border{ border-color:#77E748 }
```

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

Here you see how a box with a 4 pixel #77E748 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77E748; -webkit-box-shadow:4px 4px  
4px 4px #77E748; box-shadow:4px 4px 4px  
4px #77E748 }
```

# Background

The CSS property to change the background color of an element to Hex 77E748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77E748 }
```

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

```
.background{ background-color:#77E748 }
```

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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