

# Converting Colors

Hex(77AE4B)

Have a look what the booklet for  
Hex(77AE4B) contains.

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**Color**

**Hex(77AE4B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77AE4B
RGB	119, 174, 75
RGB Percent	47%, 68%, 29%
CMY	0.5333, 0.3176, 0.7059
CMYK	0.32, 0.00, 0.57, 0.32
HSL	93°, 40%, 49%
HSV	93°, 57%, 68%
XYZ	24.0138, 34.7020, 12.0891
YIQ	146.2690, -1.0010, -42.4490

# Conversions

## Conversions Part 2

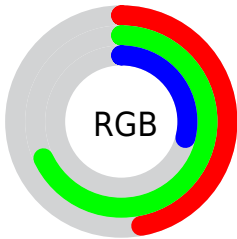
Format	Color
<a href="#">RYB</a>	<a href="#">75, 174, 130</a>
Decimal	<a href="#">7843403</a>
CIELab	<a href="#">65.52, -35.27, 44.42</a>
CIELCh	<a href="#">66, 56.720, 128.452</a>
Yxy	<a href="#">34.7020, 0.3392, 0.4901</a>
Android (android.graphics.Color)	<a href="#">4286033483 (0xFF77AE4B)</a>
YUV	<a href="#">146.2690, -35.1356, -23.9149</a>
Hunter-Lab	<a href="#">58.9084, -30.3249, 29.0685</a>

# Details

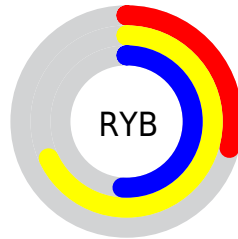
The Hex color **77AE4B** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **824BAE**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **AEE67F**, and **427917** is the 20% darker color. If you saturate the color by 10%, you get **6DAE3A**, and if you desaturate by 10%, it is **81AE5C**.

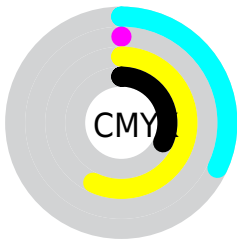
# Distribution



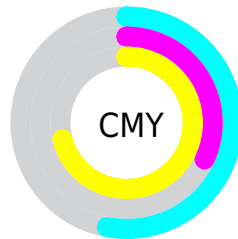
- Red (47%)
- Green (68%)
- Blue (29%)



- Red (29%)
- Yellow (68%)
- Blue (51%)



- Cyan (32%)
- Magenta (0%)
- Yellow (57%)
- Black (32%)



- Cyan (53%)
- Magenta (32%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77AE4B 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 77AE4B by changing the saturation by 10% instead.



 77AE4B

 77AE4B

FFFFFF

 5C9332

 AEE67F

 427917

 CAFF9A

 276000

 E7FFB5

 094800

 FFFFD1

 003100

 FFFFEE

 001C00

 000000

 77AE4B

 77AE4B

 6DAE3A

 81AE5C

 64AE28

 8AAE6E

 5AAE17

 94AE7F

 50AE05

 9EAE91

 4DAE00

 A7AEA2

 B1AEB3

 BBAEC5

 C4AED6

 CEAAE8

# Harmonies

## Analogous

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



ADA133



77AE4B



12B578

# Triad

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



77AE4B



00AEFD



FC7193

# Complementary

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



77AE4B



824BAE

# Split Complementary

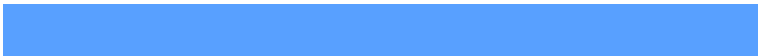
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



E878C6



77AE4B



58A0FF

# Square

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



77AE4B



00B6DD



B58CEF



F57C62

# Rectangle

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



77AE4B



00B89B



B58CEF



F971A4



# Sweetspot

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



77AE4B



CEE3BC



AE814B



66735C



F2F2F2



737373



# Same Dimension

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



77AE4B



8DE349



4BAE50



52574E



439600



0A1700



# Inverse Universe

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



824BAE



9E49E3



AE4BA9



534E57



540096



0D0017



# Previews

## White Background



This preview shows how the Hex color 77AE4B looks on a white background.

## Color Contrast Check

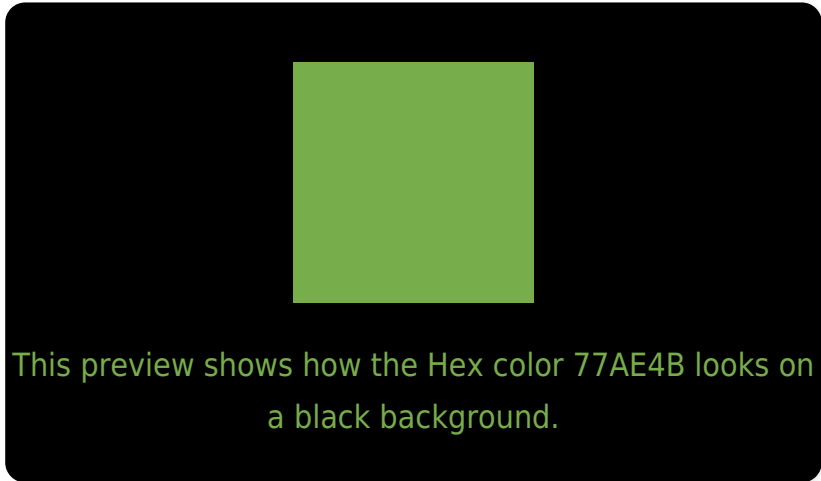
Large Text (above 18pt) WCAG AA × Fail

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 77AE4B Background



This preview shows how black text looks on a background with the Hex color 77AE4B.



This preview shows how white text looks on a background with the Hex color 77AE4B.

# 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**  
77AE4B

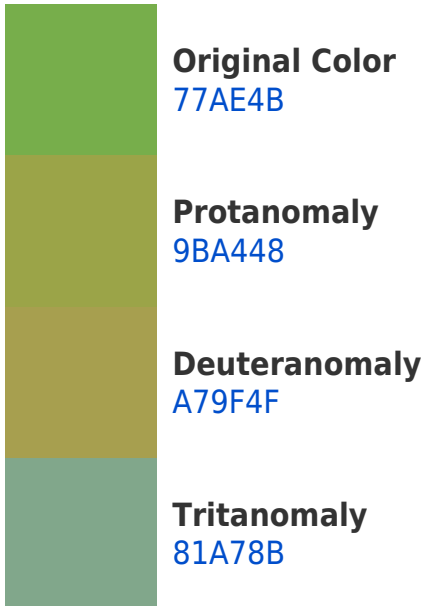
**Protanopia**  
B09F46

**Deuteranopia**  
C39751

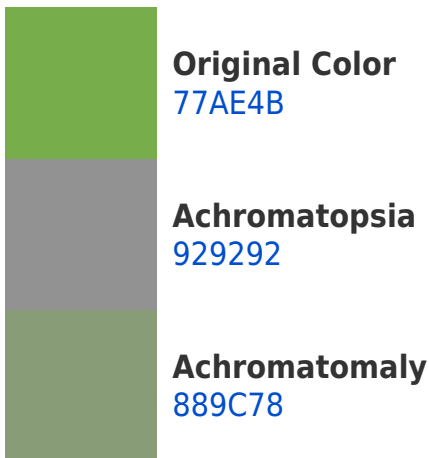


**Tritanopia**  
86A3B0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77AE4B 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 #77AE4B looks like.

```
.text, #text, p{  
    color:#77AE4B  
}
```

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 #77AE4B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77AE4B
}
```

## Border

The CSS property to change the border of an element to Hex 77AE4B 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
#77AE4B }
```

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

```
.border{ border-color:#77AE4B }
```

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

Here you see how a box with a 4 pixel #77AE4B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77AE4B; -webkit-box-shadow:4px 4px  
4px 4px #77AE4B; box-shadow:4px 4px 4px  
4px #77AE4B }
```

# Background

The CSS property to change the background color of an element to Hex 77AE4B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77AE4B }
```

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

```
.background{ background-color:#77AE4B }
```

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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