

# Converting Colors

Hex(77AC35)

Have a look what the booklet for  
Hex(77AC35) contains.

<b>Hex(77AC35)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(77AC35)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	77AC35
RGB	119, 172, 53
RGB Percent	47%, 67%, 21%
CMY	0.5333, 0.3255, 0.7922
CMYK	0.31, 0.00, 0.69, 0.33
HSL	87°, 53%, 44%
HSV	87°, 69%, 67%
XYZ	23.0029, 33.6840, 8.6574
YIQ	142.5870, 6.6110, -48.2450

# Conversions

## Conversions Part 2

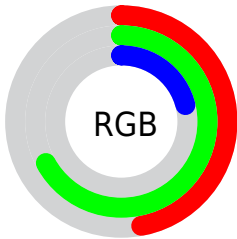
Format	Color
<a href="#">RYB</a>	<a href="#">53, 172, 106</a>
Decimal	<a href="#">7842869</a>
CIELab	<a href="#">64.71, -36.30, 53.16</a>
CIELCh	<a href="#">65, 64.368, 124.330</a>
Yxy	<a href="#">33.6840, 0.3520, 0.5155</a>
Android (android.graphics.Color)	<a href="#">4286032949 (0xFF77AC35)</a>
YUV	<a href="#">142.5870, -44.1664, -20.6858</a>
Hunter-Lab	<a href="#">58.0379, -30.8193, 31.7823</a>

# Details

The Hex color **77AC35** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6A35AC**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **AFE46A**, and **417700** is the 20% darker color. If you saturate the color by 10%, you get **6FAC24**, and if you desaturate by 10%, it is **7FAC46**.

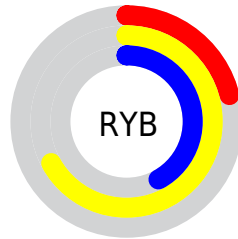
# Distribution



Red (47%)

Green (67%)

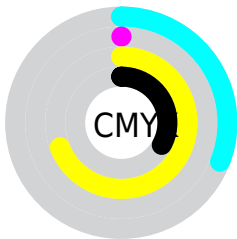
Blue (21%)



Red (21%)

Yellow (67%)

Blue (42%)

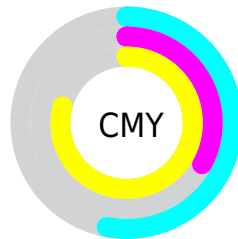


Cyan (31%)

Magenta (0%)

Yellow (69%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77AC35 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 77AC35 by changing the saturation by 10% instead.



 77AC35

 77AC35

FFFFFF

 5C9117

 AFE46A

 417700

 CBFF85

 255E00

 E8FFA0

 004600

 FFFFBC

 002F00

 FFFFD9

 001900

 FFFFF6

 000000

 77AC35

 77AC35

 6FAC24

 7FAC46

 68AC13

 86AC57

 60AC01

 8EAC69

 5FAC00

 96AC7A

 9DAC8B

 A5AC9C

 ADACAD

 B4ACBF

 BCACD0

# Harmonies

## Analogous

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



B39D18



77AC35



00B568

# Triad

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



77AC35



00B0FF



FF6597

# Complementary

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



77AC35



6A35AC

# 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.



E971D0



77AC35



00A1FF

# Square

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



77AC35



00B7DC



A98AFD



FF705F

# Rectangle

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



77AC35



00B890



A98AFD



FF66AA



# Sweetspot

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



77AC35



CBE0B1



AC6935



647054



F0F0F0



707070



# Same Dimension

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



77AC35



8DE026



3DAC35



53574E



539600



0D1700



# Inverse Universe

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



6A35AC



7926E0



A435AC



524E57



430096



0A0017



# Previews

## White Background



This preview shows how the Hex color 77AC35 looks on a white background.

## Color Contrast Check

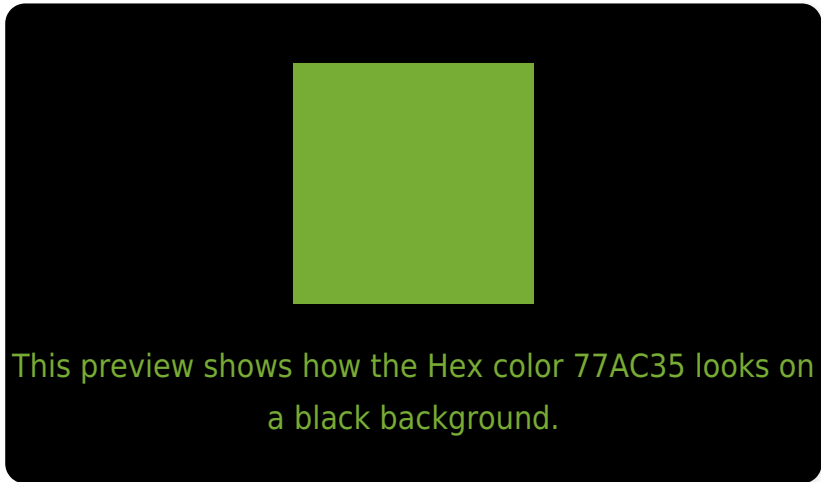
Large Text (above 18pt) WCAG AA × Fail

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 77AC35 Background



This preview shows how black text looks on a background with the Hex color 77AC35.



This preview shows how white text looks on a background with the Hex color 77AC35.

# 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**  
77AC35

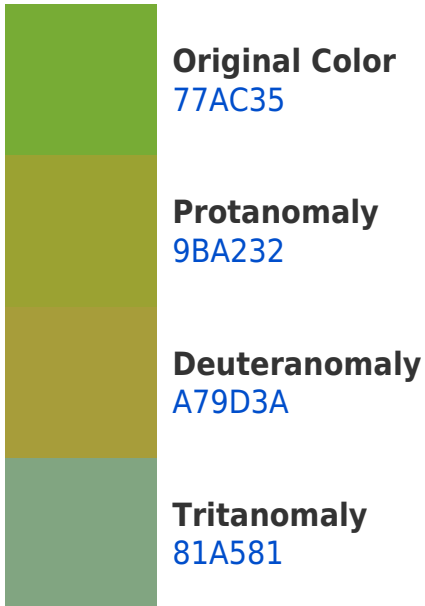
**Protanopia**  
AF9D31

**Deuteranopia**  
C3953D

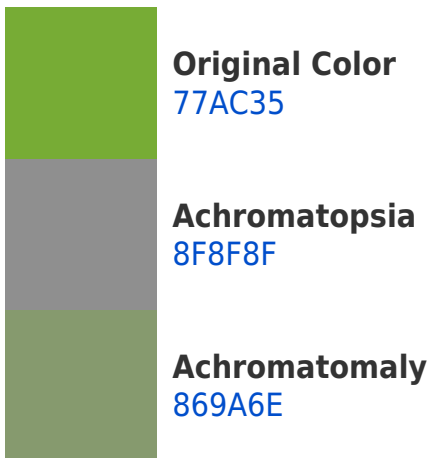


**Tritanopia**  
87A1AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77AC35 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 #77AC35 looks like.

```
.text, #text, p{  
    color:#77AC35  
}
```

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 #77AC35 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77AC35
}
```

## Border

The CSS property to change the border of an element to Hex 77AC35 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
#77AC35 }
```

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

```
.border{ border-color:#77AC35 }
```

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

Here you see how a box with a 4 pixel #77AC35 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77AC35; -webkit-box-shadow:4px 4px  
4px 4px #77AC35; box-shadow:4px 4px 4px  
4px #77AC35 }
```

# Background

The CSS property to change the background color of an element to Hex 77AC35 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77AC35 }
```

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

```
.background{ background-color:#77AC35 }
```

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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