

# Converting Colors

Hex(7AED32)

Have a look what the booklet for  
Hex(7AED32) contains.

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# **Color**

**Hex(7AED32)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AED32
RGB	122, 237, 50
RGB Percent	48%, 93%, 20%
CMY	0.5216, 0.0706, 0.8039
CMYK	0.49, 0.00, 0.79, 0.07
HSL	97°, 84%, 56%
HSV	97°, 79%, 93%
XYZ	38.8859, 64.9362, 13.5021
YIQ	181.2970, -8.5130, -82.5370

# Conversions

## Conversions Part 2

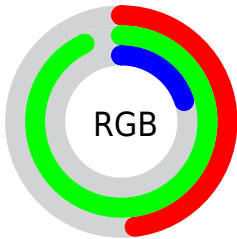
Format	Color
<a href="#">RYB</a>	<a href="#">50, 237, 165</a>
Decimal	<a href="#">8056114</a>
CIELab	<a href="#">84.45, -61.79, 73.46</a>
CIElCh	<a href="#">84, 95.992, 130.072</a>
Yxy	<a href="#">64.9362, 0.3314, 0.5535</a>
Android (android.graphics.Color)	<a href="#">4286246194</a> ( <a href="#">0xFF7AED32</a> )
YUV	<a href="#">181.2970, -64.7294, -52.0035</a>
Hunter-Lab	<a href="#">80.5830, -54.8838, 46.4738</a>

# Details

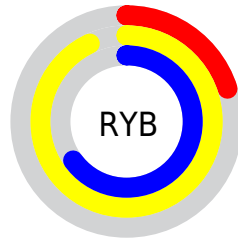
The Hex color **7AED32** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **A532ED**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **B7FF6F**, and **37B400** is the 20% darker color. If you saturate the color by 10%, you get **6BED1A**, and if you desaturate by 10%, it is **89ED4A**.

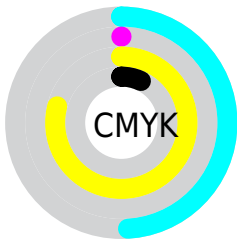
# Distribution



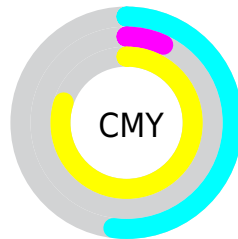
- Red (48%)
- Green (93%)
- Blue (20%)



- Red (20%)
- Yellow (93%)
- Blue (65%)



- Cyan (49%)
- Magenta (0%)
- Yellow (79%)
- Black (7%)



- Cyan (52%)
- Magenta (7%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7AED32 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 7AED32 by changing the saturation by 10% instead.



 7AED32

 7AED32

FFFFFF

 5AD000

 B7FF6F

 37B400

 D5FF8C

 009900

 F4FFA9

 007E00

 FFFFC6

 006400

 FFFFE4

 004A00

 003400

 001800

 000000

 7AED32

 7AED32

 6BED1A

 89ED4A

 5DED03

 97ED61

 5BED00

 A6ED79

 B4ED91

 C3EDA9

 D1EDC0

 E0EDD8

 EFEDF0

 FDEDFD

# Harmonies

## Analogous

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



E0D800



7AED32



00F891

# Triad

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



7AED32



00EDFF



FF6FB8

# Complementary

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



7AED32



A532ED

# 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.



FF7FFF



7AED32



00D4FF

# Square

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



7AED32



00F9FF



FBACFF



FF8E62

# Rectangle

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



7AED32



00FBD0



FBACFF



FF6ED7

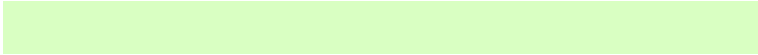


# Sweetspot

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



7AED32



D9FFC2



EDA232



69805B



000000



808080



# Same Dimension

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



7AED32



6AFF0D



32ED45



6E756A



46B500



153600



# Inverse Universe

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



A532ED



A20DFE



ED32DA



716A75



6F00B5

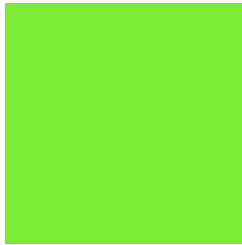


210036



# Previews

## White Background



This preview shows how the Hex color 7AED32 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



This preview shows how the Hex color 7AED32 looks on a 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 7AED32 Background



This preview shows how black text looks on a background with the Hex color 7AED32.

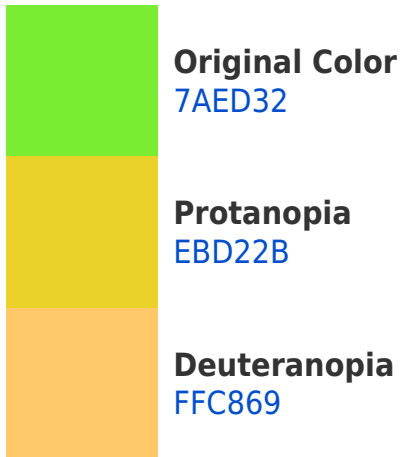


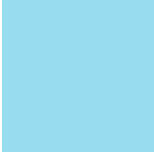
This preview shows how white text looks on a background with the Hex color 7AED32.

# 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**  
98DDEF

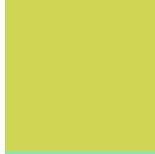
# Trichromacy



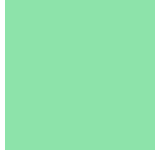
**Original Color**  
7AED32



**Protanomaly**  
C2DC2E



**Deuteranomaly**  
CFD555

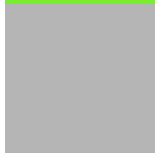


**Tritanomaly**  
8DE3AA

# Monochromacy



**Original Color**  
7AED32



**Achromatopsia**  
B5B5B5



**Achromatomaly**  
A0C985

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7AED32 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 #7AED32 looks like.

```
.text, #text, p{  
    color:#7AED32  
}
```

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 #7AED32 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7AED32
}
```

## Border

The CSS property to change the border of an element to Hex 7AED32 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
#7AED32 }
```

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

```
.border{ border-color:#7AED32 }
```

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

Here you see how a box with a 4 pixel #7AED32 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7AED32; -webkit-box-shadow:4px 4px  
4px 4px #7AED32; box-shadow:4px 4px 4px  
4px #7AED32 }
```

# Background

The CSS property to change the background color of an element to Hex 7AED32 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7AED32 }
```

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

```
.background{ background-color:#7AED32 }
```

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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