

# Converting Colors

Hex(7AC136)

Have a look what the booklet for  
Hex(7AC136) contains.

<b>Hex(7AC136)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(7AC136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC136
RGB	122, 193, 54
RGB Percent	48%, 76%, 21%
CMY	0.5216, 0.2431, 0.7882
CMYK	0.37, 0.00, 0.72, 0.24
HSL	91°, 56%, 48%
HSV	91°, 72%, 76%
XYZ	27.7619, 42.5438, 10.2386
YIQ	155.9250, 2.3030, -58.2810

# Conversions

## Conversions Part 2

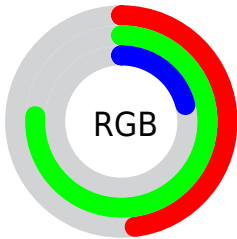
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 193, 125
Decimal	8044854
CIELab	71.24, -44.31, 59.47
CIELCh	71, 74.163, 126.685
Yxy	42.5438, 0.3447, 0.5282
Android (android.graphics.Color)	4286234934 (0xFF7AC136)
YUV	155.9250, -50.2490, -29.7522
Hunter-Lab	65.2256, -38.1703, 36.3511

# Details

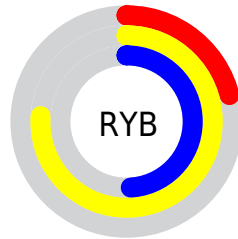
The Hex color **7AC136** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7D36C1**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **B3FA6D**, and **418B00** is the 20% darker color. If you saturate the color by 10%, you get **70C123**, and if you desaturate by 10%, it is **84C149**.

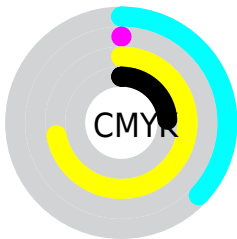
# Distribution



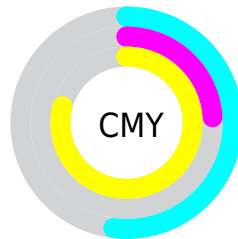
- Red (48%)
- Green (76%)
- Blue (21%)



- Red (21%)
- Yellow (76%)
- Blue (49%)



- Cyan (37%)
- Magenta (0%)
- Yellow (72%)
- Black (24%)



- Cyan (52%)
- Magenta (24%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7AC136 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 7AC136 by changing the saturation by 10% instead.



 7AC136

 7AC136

FFFFFF

 5EA615

 B3FA6D

 418B00

 D0FF89

 227100

 EEFFA4

 005800

 FFFFC1

 004000

 FFFFDD

 002A00

 FFFFFB

 000900

 000000

 7AC136

 7AC136

 70C123

 84C149

 66C10F

 8EC15D

 5EC100

 98C170

 A1C183

 ABC197

 B5C1AA

 BFC1BD

 C9C1D0

 D3C1E4

# Harmonies

## Analogous

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



C2B000



7AC136



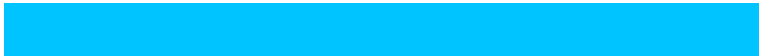
00CA76

# Triad

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



7AC136



00C4FF



FF6AA2

# Complementary

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



7AC136



7D36C1

# 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.



FF77E5



7AC136



00B1FF

# Square

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



7AC136



00CCFE



C396FF



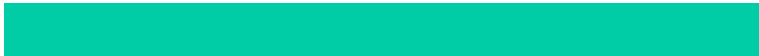
FF7A61

# Rectangle

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



7AC136



00CDA5



C396FF



FF6BB9

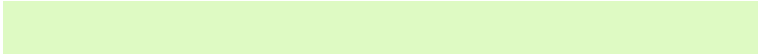


# Sweetspot

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



7AC136



DEFAC3



C17C36



6C7D5C



FCFCFC



7D7D7D



# Same Dimension

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



7AC136



8CFA23



36C136



5C6157



4FA100



102100



# Inverse Universe

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



7D36C1



9123FA



C136C1



5C5761



5200A1



110021



# Previews

## White Background



This preview shows how the Hex color 7AC136 looks on a white background.

## Color Contrast Check

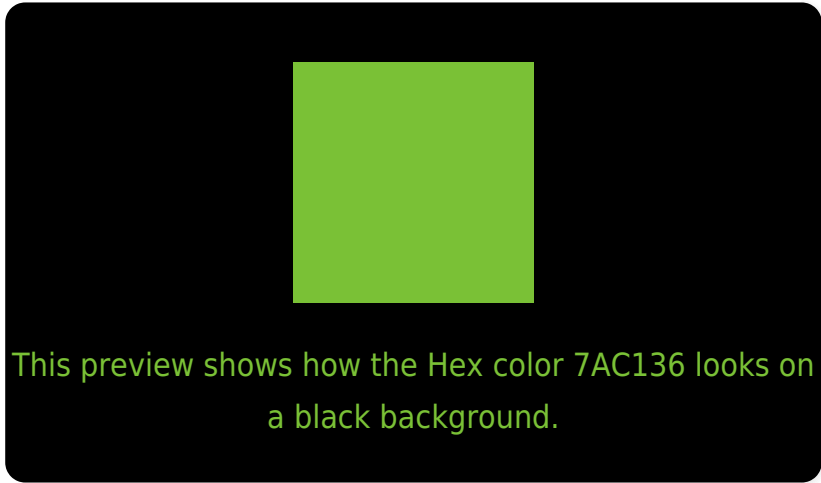
Large Text (above 18pt) WCAG AA × Fail

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 7AC136 Background



This preview shows how black text looks on a background with the Hex color 7AC136.

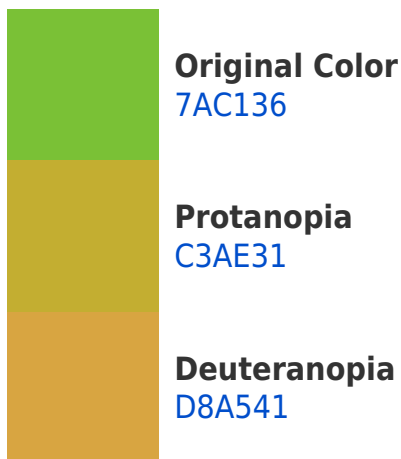


This preview shows how white text looks on a background with the Hex color 7AC136.

# 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**  
8EB4C3

# Trichromacy



**Original Color**  
7AC136



**Protanomaly**  
A8B533



**Deuteranomaly**  
B6AF3D



**Tritanomaly**  
87B990

# Monochromacy



**Original Color**  
7AC136



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
90A977

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7AC136 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 #7AC136 looks like.

```
.text, #text, p{  
    color:#7AC136  
}
```

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 #7AC136 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7AC136
}
```

## Border

The CSS property to change the border of an element to Hex 7AC136 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
#7AC136 }
```

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

```
.border{ border-color:#7AC136 }
```

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

Here you see how a box with a 4 pixel #7AC136 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7AC136; -webkit-box-shadow:4px 4px  
4px 4px #7AC136; box-shadow:4px 4px 4px  
4px #7AC136 }
```

# Background

The CSS property to change the background color of an element to Hex 7AC136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7AC136 }
```

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

```
.background{ background-color:#7AC136 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor