

# Converting Colors

Hex(7AC45A)

Have a look what the booklet for  
Hex(7AC45A) contains.

|  |    |
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**Color**

**Hex(7AC45A)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | 7AC45A                       |
| RGB           | 122, 196, 90                 |
| RGB Percent   | 48%, 77%, 35%                |
| CMY           | 0.5216, 0.2314, 0.6471       |
| CMYK          | 0.38, 0.00, 0.54, 0.23       |
| HSL           | 102°, 47%, 56%               |
| HSV           | 102°, 54%, 77%               |
| XYZ           | 29.6114, 44.3556, 16.6737    |
| YIQ           | 161.7900, -10.0780, -48.6540 |

# Conversions

## Conversions Part 2

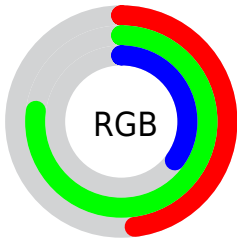
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">90, 196, 164</a>                     |
| Decimal                             | <a href="#">8045658</a>                          |
| CIELab                              | <a href="#">72.47, -42.36, 45.53</a>             |
| CIElCh                              | <a href="#">72, 62.186, 132.937</a>              |
| Yxy                                 | <a href="#">44.3556, 0.3267,<br/>0.4894</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4286235738<br/>(0xFF7AC45A)</a>      |
| YUV                                 | <a href="#">161.7900, -35.3925,<br/>-34.8958</a> |
| Hunter-Lab                          | <a href="#">66.6000, -37.1861,<br/>31.7764</a>   |

# Details

The Hex color **7AC45A** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **A45AC4**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **B2FD8F**, and **438E26** is the 20% darker color. If you saturate the color by 10%, you get **6CC446**, and if you desaturate by 10%, it is **88C46E**.

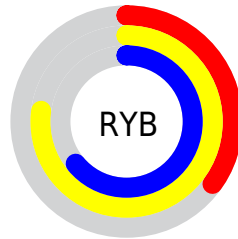
# Distribution



Red (48%)

Green (77%)

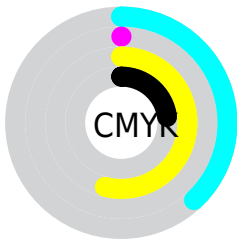
Blue (35%)



Red (35%)

Yellow (77%)

Blue (64%)

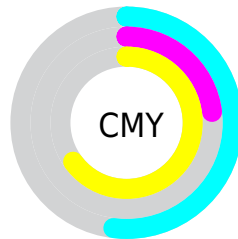


Cyan (38%)

Magenta (0%)

Yellow (54%)

Black (23%)



Cyan (52%)

Magenta (23%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7AC45A 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 7AC45A by changing the saturation by 10% instead.



 7AC45A

 7AC45A

FFFFFF

 5FA840

 B2FD8F

 438E26

 CFFFAA

 257407

 ECFFC6

 005A00

 FFFFE2

 004200

 002C00

 001000

 000000

 7AC45A

 7AC45A

 6CC446

 88C46E

 5FC433

 95C481

 51C41F

 A3C495

 43C40C

 B1C4A8

 3BC400

 BEC4BC

 CCC4D0

 DAC4E3

 E7C4F7

 F5C4FF

# Harmonies

## Analogous

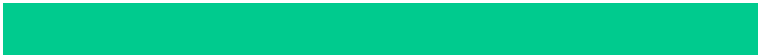
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



B9B73A



7AC45A



00CB8E

# Triad

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



7AC45A



00C1FF



FF7F9B

# Complementary

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



7AC45A



A45AC4

# Split Complementary

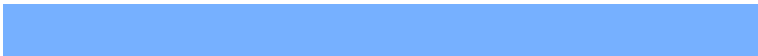
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF84D5



7AC45A



76B0FF

# Square

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



7AC45A



00CBFE



D598FF



FF8D67

# Rectangle

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



7AC45A



00CDB6



D598FF



FF7EAE

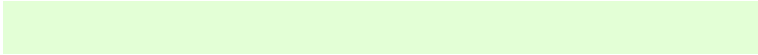


# Sweetspot

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



7AC45A



E3FFD6



C4A25A



6F8067



000000



808080



# Same Dimension

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



7AC45A



8BFF59



5AC46D



5A6157



30A100



0A2100



# Inverse Universe

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



A45AC4



CD59FF



C45AB1



5E5761



7000A1



170021



# Previews

## White Background



This preview shows how the Hex color 7AC45A looks on a white background.

## Color Contrast Check

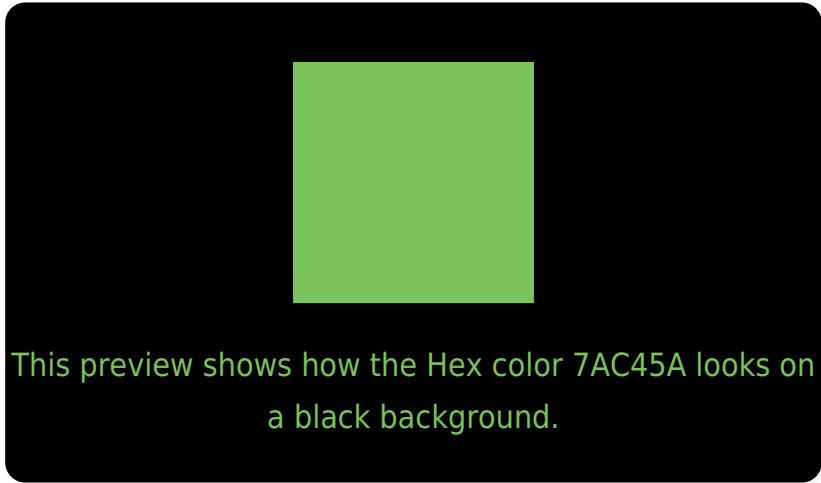
Large Text (above 18pt) WCAG AA × Fail

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 7AC45A Background



This preview shows how black text looks on a background with the Hex color 7AC45A.

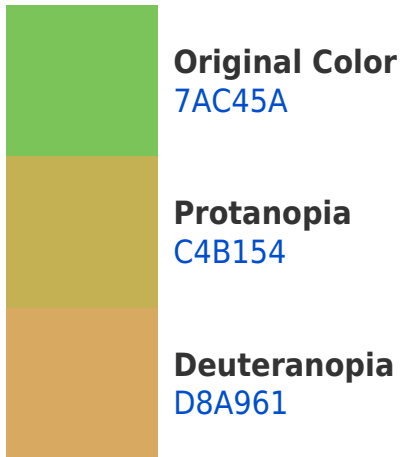


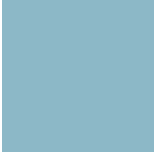
This preview shows how white text looks on a background with the Hex color 7AC45A.

# 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**  
8CB8C7

# Trichromacy



**Original Color**  
7AC45A



**Protanomaly**  
A9B856



**Deuteranomaly**  
B6B35E



**Tritanomaly**  
85BC9F

# Monochromacy



**Original Color**  
7AC45A



**Achromatopsia**  
A2A2A2



**Achromatomaly**  
93AE88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7AC45A 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 #7AC45A looks like.

```
.text, #text, p{  
    color:#7AC45A  
}
```

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 #7AC45A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7AC45A
}
```

## Border

The CSS property to change the border of an element to Hex 7AC45A 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
#7AC45A }
```

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

```
.border{ border-color:#7AC45A }
```

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

Here you see how a box with a 4 pixel #7AC45A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7AC45A; -webkit-box-shadow:4px 4px  
4px 4px #7AC45A; box-shadow:4px 4px 4px  
4px #7AC45A }
```

# Background

The CSS property to change the background color of an element to Hex 7AC45A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7AC45A }
```

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

```
.background{ background-color:#7AC45A }
```

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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