

# Converting Colors

Hex(5AE848)

Have a look what the booklet for  
Hex(5AE848) contains.

<b>Hex(5AE848)</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(5AE848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AE848
RGB	90, 232, 72
RGB Percent	35%, 91%, 28%
CMY	0.6471, 0.0902, 0.7176
CMYK	0.61, 0.00, 0.69, 0.09
HSL	113°, 78%, 60%
HSV	113°, 69%, 91%
XYZ	34.2428, 60.3548, 15.9757
YIQ	171.3020, -33.2720, -79.8640

# Conversions

## Conversions Part 2

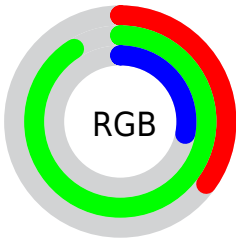
Format	Color
<a href="#">RYB</a>	<a href="#">72, 232, 214</a>
Decimal	<a href="#">5957704</a>
CIELab	<a href="#">82.03, -66.77, 63.53</a>
CIELCh	<a href="#">82, 92.164, 136.422</a>
Yxy	<a href="#">60.3548, 0.3097, 0.5458</a>
Android (android.graphics.Color)	<a href="#">4284147784 (0xFF5AE848)</a>
YUV	<a href="#">171.3020, -48.9559, -71.3019</a>
Hunter-Lab	<a href="#">77.6883, -57.2770, 42.1895</a>

# Details

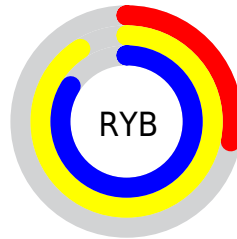
The Hex color **5AE848** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **D648E8**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **9AFF80**, and **00AF00** is the 20% darker color. If you saturate the color by 10%, you get **45E831**, and if you desaturate by 10%, it is **6FE85F**.

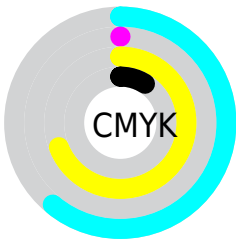
# Distribution



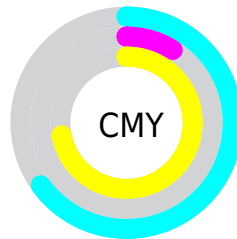
- Red (35%)
- Green (91%)
- Blue (28%)



- Red (28%)
- Yellow (91%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (69%)
- Black (9%)



- Cyan (65%)
- Magenta (9%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AE848 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 5AE848 by changing the saturation by 10% instead.



 5AE848

FFFFFF

 9AFF80

 B8FF9C

 D7FFB9

 F6FFD5

 FFFFF3

 5AE848

 34CB29

 00AF00

 009300

 007900

 005E00

 004500

 002D00

 000E00

 000000

 5AE848

 5AE848

 45E831

 6FE85F

 31E81A

 83E876

 1CE802

 98E88E

 1AE800

 ACE8A5

 C1E8BC

 D6E8D3

 EAE8EA

 FFE8FF

# Harmonies

## Analogous

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



C7D600



5AE848



00F1A0

# Triad

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



5AE848



00E1FF



FF71A0

# Complementary

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



5AE848



D648E8

# 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.



FF76F7



5AE848



68C6FF

# Square

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



5AE848



00EFFF



FF9EFF



FF9350

# Rectangle

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



5AE848



00F3DD



FF9EFF



FF6DBD

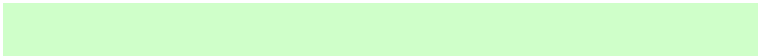


# Sweetspot

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



5AE848



CFFFC9



E8D548



638060



000000



808080



# Same Dimension

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



5AE848



43FF2B



48E885



697367



14B300



063300



# Inverse Universe

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



D648E8



E72BFF



E848AB



716773



9E00B3

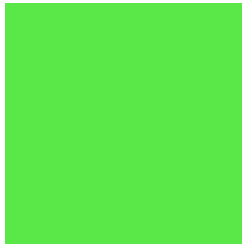


2D0033



# Previews

## White Background



This preview shows how the Hex color 5AE848 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 5AE848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

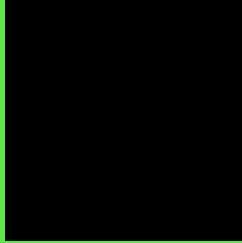
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

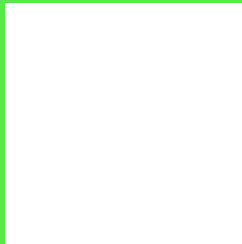
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5AE848 Background



This preview shows how black text looks on a background with the Hex color 5AE848.

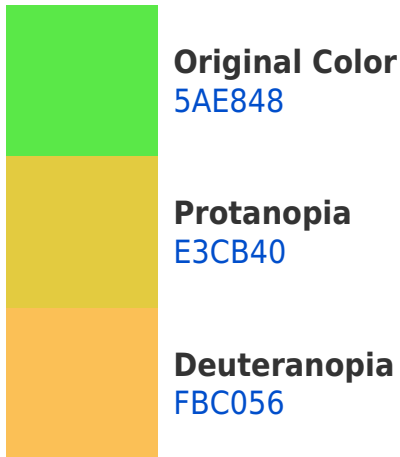


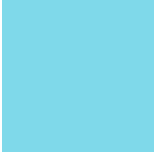
This preview shows how white text looks on a background with the Hex color 5AE848.

# 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**  
7FD9EA

# Trichromacy



**Original Color**  
5AE848



**Protanomaly**  
B1D643



**Deuteranomaly**  
C0CF51



**Tritanomaly**  
72DEAF

# Monochromacy



**Original Color**  
5AE848



**Achromatopsia**  
ABABAB



**Achromatomaly**  
8EC187

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AE848 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 #5AE848 looks like.

```
.text, #text, p{  
    color:#5AE848  
}
```

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 #5AE848 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AE848
}
```

## Border

The CSS property to change the border of an element to Hex 5AE848 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
#5AE848 }
```

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

```
.border{ border-color:#5AE848 }
```

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

Here you see how a box with a 4 pixel #5AE848 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AE848; -webkit-box-shadow:4px 4px  
4px 4px #5AE848; box-shadow:4px 4px 4px  
4px #5AE848 }
```

# Background

The CSS property to change the background color of an element to Hex 5AE848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AE848 }
```

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

```
.background{ background-color:#5AE848 }
```

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