

# Converting Colors

Hex(5AE85A)

Have a look what the booklet for  
Hex(5AE85A) contains.

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# **Color**

**Hex(5AE85A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AE85A
RGB	90, 232, 90
RGB Percent	35%, 91%, 35%
CMY	0.6471, 0.0902, 0.6471
CMYK	0.61, 0.00, 0.61, 0.09
HSL	120°, 76%, 63%
HSV	120°, 61%, 91%
XYZ	34.9185, 60.6251, 19.5343
YIQ	173.3540, -39.0500, -74.2660

# Conversions

## Conversions Part 2

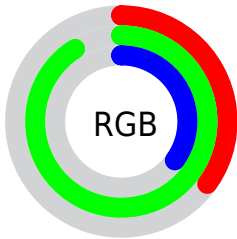
Format	Color
<a href="#">RYB</a>	<a href="#">90, 232, 232</a>
Decimal	<a href="#">5957722</a>
CIELab	<a href="#">82.18, -65.07, 56.47</a>
CIELCh	<a href="#">82, 86.158, 139.048</a>
Yxy	<a href="#">60.6251, 0.3034, 0.5268</a>
Android (android.graphics.Color)	<a href="#">4284147802 (0xFF5AE85A)</a>
YUV	<a href="#">173.3540, -41.0935, -73.1015</a>
Hunter-Lab	<a href="#">77.8621, -56.2075, 39.6286</a>

# Details

The Hex color **5AE85A** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **E85AE8**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **99FF91**, and **00AF21** is the 20% darker color. If you saturate the color by 10%, you get **43E843**, and if you desaturate by 10%, it is **71E871**.

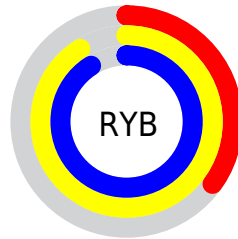
# Distribution



Red (35%)

Green (91%)

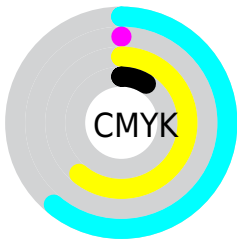
Blue (35%)



Red (35%)

Yellow (91%)

Blue (91%)

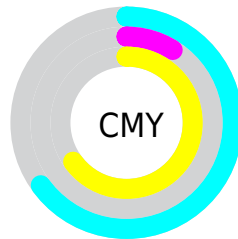


Cyan (61%)

Magenta (0%)

Yellow (61%)

Black (9%)



Cyan (65%)

Magenta (9%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AE85A 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 5AE85A by changing the saturation by 10% instead.



 5AE85A

 5AE85A

FFFFFF

 35CB3F

 99FF91

 00AF21

 B8FFAC

 009300

 D6FFC9

 007900

 F5FFE6

 005E00

 004500

 002E00

 000E00

 000000

 5AE85A

 5AE85A

 43E843

 71E871

 2CE82C

 88E888

 14E814

 A0E8A0

 00E800

 B7E8B7

 CEE8CE

 E5E8E5

 FCE8FC

 FFE8FF

# Harmonies

## Analogous

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



C2D800



5AE85A



00F0AB

# Triad

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



5AE85A



00DEFF



FF7D9D

# Complementary

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



5AE85A



E85AE8

# Split Complementary

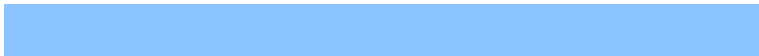
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF7EEE



5AE85A



8CC4FF

# Square

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



5AE85A



00EDFF



FF9FFF



FF9C53

# Rectangle

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



5AE85A



00F2E3



FF9FFF



FF79B7

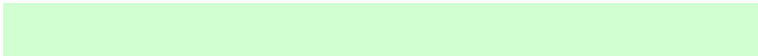


# Sweetspot

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



5AE85A



D1FFD1



E8E85A



638063



000000



808080



# Same Dimension

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



5AE85A



45FF45



5AE8A1



677367



00B300



003300



# Inverse Universe

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



E85AE8



FF45FF



E85AA1



736773



B300B3

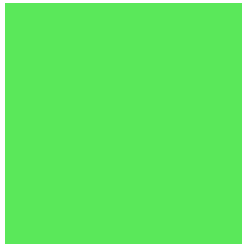


330033



# Previews

## White Background



This preview shows how the Hex color 5AE85A 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 5AE85A looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

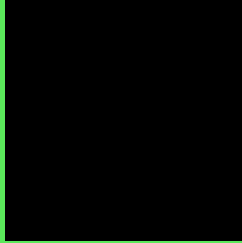
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

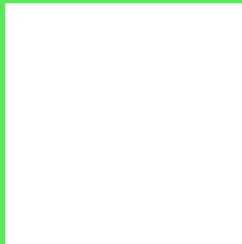
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5AE85A Background



This preview shows how black text looks on a background with the Hex color 5AE85A.

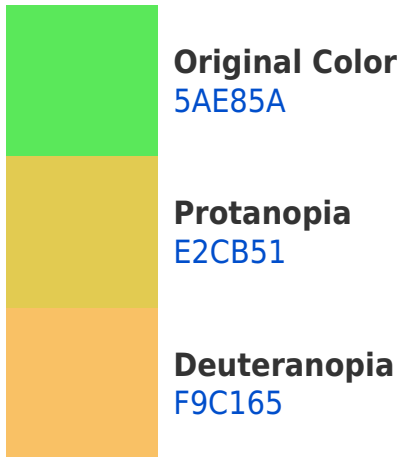


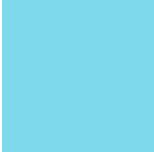
This preview shows how white text looks on a background with the Hex color 5AE85A.

# 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](#).

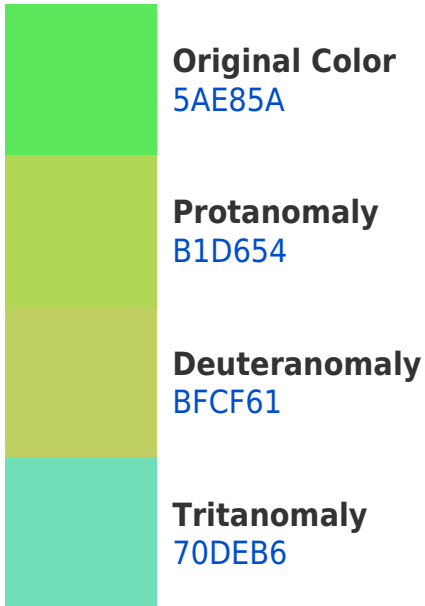
## Dichromacy



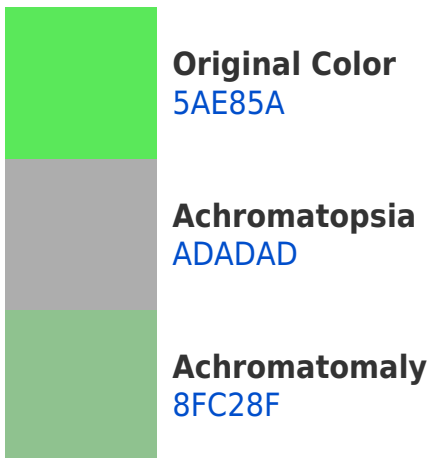


**Tritanopia**  
7DD9EB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AE85A 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 #5AE85A looks like.

```
.text, #text, p{  
    color:#5AE85A  
}
```

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 #5AE85A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AE85A
}
```

## Border

The CSS property to change the border of an element to Hex 5AE85A 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
#5AE85A }
```

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

```
.border{ border-color:#5AE85A }
```

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

Here you see how a box with a 4 pixel #5AE85A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AE85A; -webkit-box-shadow:4px 4px  
4px 4px #5AE85A; box-shadow:4px 4px 4px  
4px #5AE85A }
```

# Background

The CSS property to change the background color of an element to Hex 5AE85A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AE85A }
```

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

```
.background{ background-color:#5AE85A }
```

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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