

# Converting Colors

Hex(5AE076)

Have a look what the booklet for  
Hex(5AE076) contains.

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# **Color**

**Hex(5AE076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AE076
RGB	90, 224, 118
RGB Percent	35%, 88%, 46%
CMY	0.6471, 0.1216, 0.5373
CMYK	0.60, 0.00, 0.47, 0.12
HSL	133°, 68%, 62%
HSV	133°, 60%, 88%
XYZ	34.1421, 56.7930, 26.3022
YIQ	171.8500, -45.8380, -61.3740

# Conversions

## Conversions Part 2

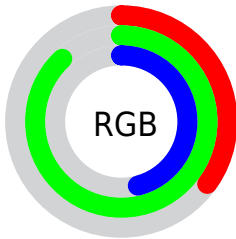
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 201, 224
Decimal	5955702
CIELab	80.06, -58.63, 41.07
CIELCh	80, 71.586, 144.993
Yxy	56.7930, 0.2912, 0.4844
Android (android.graphics.Color)	4284145782 (0xFF5AE076)
YUV	171.8500, -26.5480, -71.7824
Hunter-Lab	75.3611, -51.0131, 32.0596

# Details

The Hex color **5AE076** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **E05AC4**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **97FFAC**, and **00A843** is the 20% darker color. If you saturate the color by 10%, you get **44E064**, and if you desaturate by 10%, it is **70E088**.

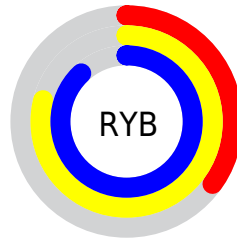
# Distribution



Red (35%)

Green (88%)

Blue (46%)



Red (35%)

Yellow (79%)

Blue (88%)

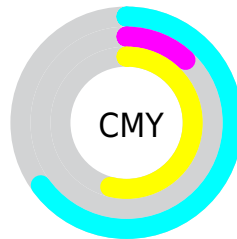


Cyan (60%)

Magenta (0%)

Yellow (47%)

Black (12%)



Cyan (65%)

Magenta (12%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AE076 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 5AE076 by changing the saturation by 10% instead.



 5AE076

 5AE076

FFFFFF

 38C35C

 97FFAC

 00A843

 B5FFC8

 008C2A

 D3FFE4

 00720E

 F1FFFF

 005800

 003F00

 002800

 000000

 5AE076

 5AE076

 44E064

 70E088

 2DE053

 87E099

 17E041

 9DE0AB

 00E02F

 B4E0BD

 CAE0CF

 E0E0E0

 F7E0F2

 FFE0FF

# Harmonies

## Analogous

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



B3D342



5AE076



00E6B9

# Triad

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



5AE076



00D1FF



FF8E92

# Complementary

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



5AE076



E05AC4

# 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.



FF89D5



5AE076



B4BAFF

# Square

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



5AE076



00E0FF



FF9DFF



FFA559

# Rectangle

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



5AE076



00E7E7



FF9DFF



FF89A8

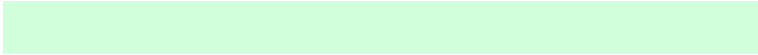


# Sweetspot

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



5AE076



D1FFDB



C5E05A



638069



000000



808080



# Same Dimension

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



5AE076



47FF6E



5AE0B8



657067



00B025



00300A



# Inverse Universe

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



E05AC4



FF47D9



E05A82



70656E



B0008B



300026



# Previews

## White Background



This preview shows how the Hex color 5AE076 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 5AE076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

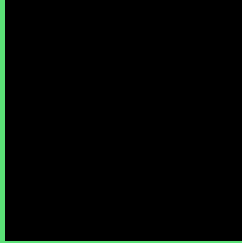
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AE076 Background



This preview shows how black text looks on a background with the Hex color 5AE076.

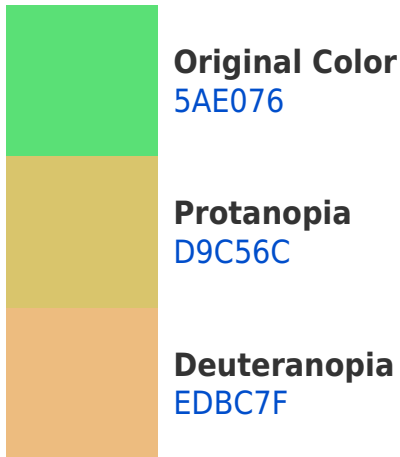


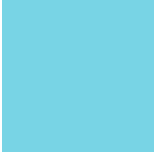
This preview shows how white text looks on a background with the Hex color 5AE076.

# 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**  
78D4E5

# Trichromacy



**Original Color**  
5AE076



**Protanomaly**  
ABCF70



**Deuteranomaly**  
B8C97C



**Tritanomaly**  
6DD8BD

# Monochromacy



**Original Color**  
5AE076



**Achromatopsia**  
ACACAC



**Achromatomaly**  
8EBF98

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AE076 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 #5AE076 looks like.

```
.text, #text, p{  
    color:#5AE076  
}
```

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 #5AE076 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AE076
}
```

## Border

The CSS property to change the border of an element to Hex 5AE076 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
#5AE076 }
```

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

```
.border{ border-color:#5AE076 }
```

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

Here you see how a box with a 4 pixel #5AE076 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AE076; -webkit-box-shadow:4px 4px  
4px 4px #5AE076; box-shadow:4px 4px 4px  
4px #5AE076 }
```

# Background

The CSS property to change the background color of an element to Hex 5AE076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AE076 }
```

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

```
.background{ background-color:#5AE076 }
```

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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