

# Converting Colors

Hex(5AC81B)

Have a look what the booklet for  
Hex(5AC81B) contains.

<b>Hex(5AC81B)</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(5AC81B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AC81B
RGB	90, 200, 27
RGB Percent	35%, 78%, 11%
CMY	0.6471, 0.2157, 0.8941
CMYK	0.55, 0.00, 0.87, 0.22
HSL	98°, 76%, 45%
HSV	98°, 87%, 78%
XYZ	25.0686, 43.5613, 8.1238
YIQ	147.3880, -10.0270, -77.1230

# Conversions

## Conversions Part 2

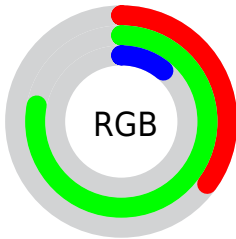
Format	Color
<a href="#">RYB</a>	<a href="#">27, 200, 137</a>
Decimal	<a href="#">5949467</a>
CIELab	<a href="#">71.93, -58.38, 67.41</a>
CIELCh	<a href="#">72, 89.176, 130.890</a>
Yxy	<a href="#">43.5613, 0.3266, 0.5675</a>
Android (android.graphics.Color)	<a href="#">4284139547 (0xFF5AC81B)</a>
YUV	<a href="#">147.3880, -59.3513, -50.3293</a>
Hunter-Lab	<a href="#">66.0010, -47.7038, 38.9029</a>

# Details

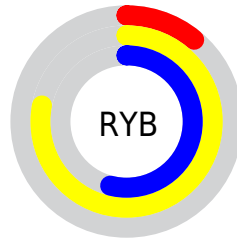
The Hex color **5AC81B** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **891BC8**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **97FF5B**, and **019100** is the 20% darker color. If you saturate the color by 10%, you get **4DC807**, and if you desaturate by 10%, it is **67C82F**.

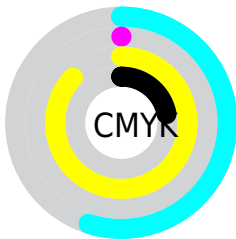
# Distribution



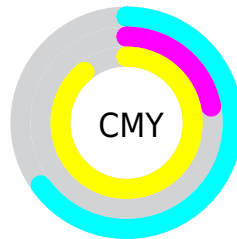
- Red (35%)
- Green (78%)
- Blue (11%)



- Red (11%)
- Yellow (78%)
- Blue (54%)



- Cyan (55%)
- Magenta (0%)
- Yellow (87%)
- Black (22%)



- Cyan (65%)
- Magenta (22%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AC81B 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 5AC81B by changing the saturation by 10% instead.



 5AC81B

 5AC81B

FFFFFF

 39AC00

 97FF5B

 019100

 B4FF77

 007600

 D2FF94

 005D00

 F1FFB0

 004400

 FFFFCD

 002D00

 FFFFEA

 000D00

 000000

 5AC81B

 5AC81B

 4DC807

 67C82F

 49C800

 73C843

 80C857

 8DC86B

 9AC87F

 A6C893

 B3C8A7

 C0C8BB

 CCC8CF

# Harmonies

## Analogous

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



B9B600



5AC81B



00D177

# Triad

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



5AC81B



00C8FF



FF5196

# Complementary

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



5AC81B



891BC8

# 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.



FF60E8



5AC81B



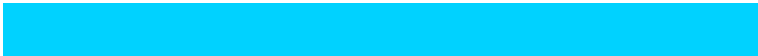
00B1FF

# Square

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



5AC81B



00D2FF



D78BFF



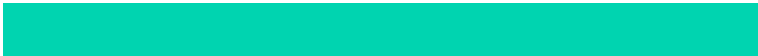
FF7148

# Rectangle

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



5AC81B



00D4B0



D78BFF



FF50B1

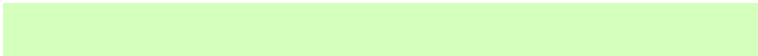


# Sweetspot

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



5AC81B



D5FFBD



C8891B



668058



000000



808080



# Same Dimension

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



5AC81B



5DFF00



1BC832



5D635A



3BA300



0D2400



# Inverse Universe

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



891BC8



A200FF



C81BB1



605A63



6800A3



170024



# Previews

## White Background



This preview shows how the Hex color 5AC81B looks on a white background.

## Color Contrast Check

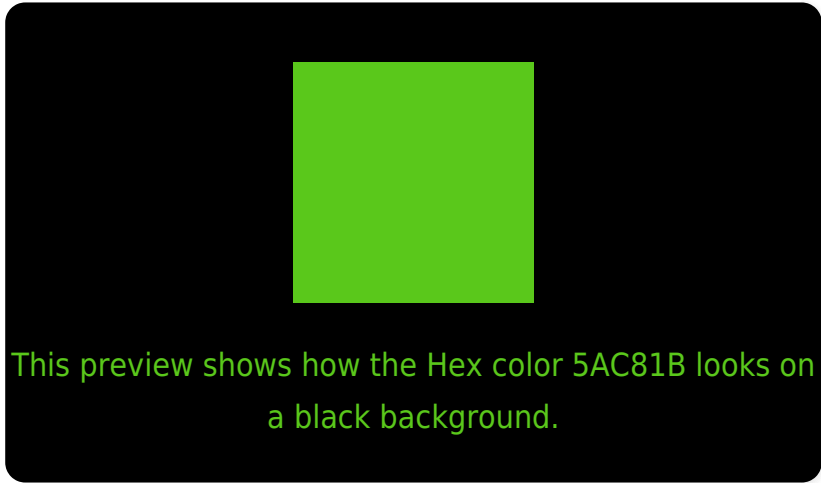
Large Text (above 18pt) WCAG AA × Fail

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 5AC81B Background



This preview shows how black text looks on a background with the Hex color 5AC81B.

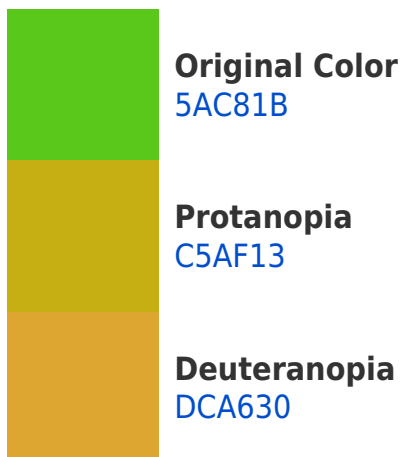


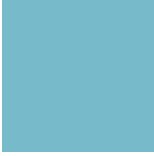
This preview shows how white text looks on a background with the Hex color 5AC81B.

# 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](#).

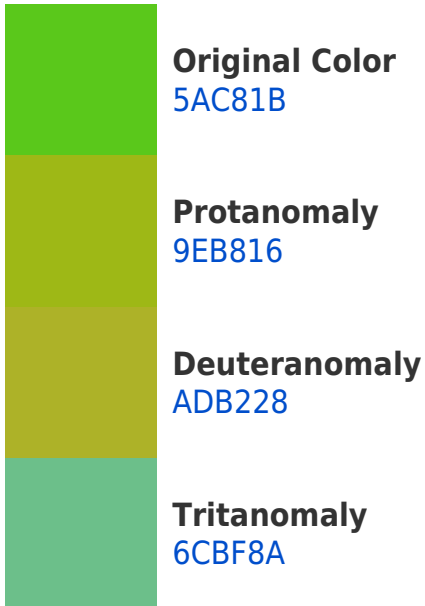
## Dichromacy



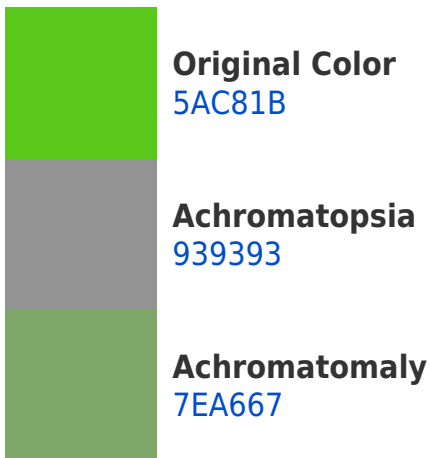


**Tritanopia**  
77BAC9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AC81B 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 #5AC81B looks like.

```
.text, #text, p{  
    color:#5AC81B  
}
```

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 #5AC81B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AC81B
}
```

## Border

The CSS property to change the border of an element to Hex 5AC81B 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
#5AC81B }
```

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

```
.border{ border-color:#5AC81B }
```

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

Here you see how a box with a 4 pixel #5AC81B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AC81B; -webkit-box-shadow:4px 4px  
4px 4px #5AC81B; box-shadow:4px 4px 4px  
4px #5AC81B }
```

# Background

The CSS property to change the background color of an element to Hex 5AC81B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AC81B }
```

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

```
.background{ background-color:#5AC81B }
```

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