

# Converting Colors

Hex(5BD839)

Have a look what the booklet for  
Hex(5BD839) contains.

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**Color**

**Hex(5BD839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD839
RGB	91, 216, 57
RGB Percent	36%, 85%, 22%
CMY	0.6431, 0.1529, 0.7765
CMYK	0.58, 0.00, 0.74, 0.15
HSL	107°, 67%, 54%
HSV	107°, 74%, 85%
XYZ	29.6088, 51.6313, 12.2762
YIQ	160.4990, -23.4610, -75.9490

# Conversions

## Conversions Part 2

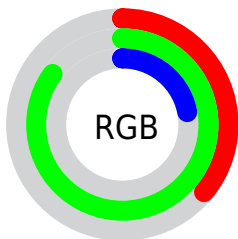
Format	Color
<a href="#">RYB</a>	<a href="#">57, 216, 182</a>
Decimal	<a href="#">6019129</a>
CIELab	<a href="#">77.06, -62.17, 63.83</a>
CIELCh	<a href="#">77, 89.105, 134.248</a>
Yxy	<a href="#">51.6313, 0.3166, 0.5521</a>
Android (android.graphics.Color)	<a href="#">4284209209 (0xFF5BD839)</a>
YUV	<a href="#">160.4990, -51.0250, -60.9506</a>
Hunter-Lab	<a href="#">71.8549, -52.1928, 40.1689</a>

# Details

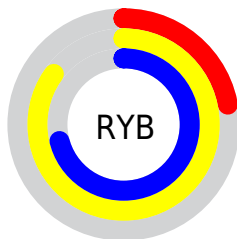
The Hex color **5BD839** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **B639D8**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **99FF72**, and **00A000** is the 20% darker color. If you saturate the color by 10%, you get **4AD823**, and if you desaturate by 10%, it is **6CD84F**.

# Distribution



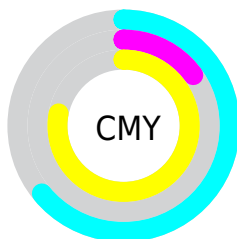
- Red (36%)
- Green (85%)
- Blue (22%)



- Red (22%)
- Yellow (85%)
- Blue (71%)



- Cyan (58%)
- Magenta (0%)
- Yellow (74%)
- Black (15%)



- Cyan (64%)
- Magenta (15%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BD839 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 5BD839 by changing the saturation by 10% instead.



 5BD839

 5BD839

FFFFFF

 38BC16

 99FF72

 00A000

 B7FF8E

 008500

 D5FFAA

 006A00

 F4FFC7

 005100

 FFFFE4

 003900

 002000

 000000

 5BD839

 5BD839

 4AD823

 6CD84F

 39D80E

 7DD864

 2ED800

 8ED87A

 9FD88F

 B0D8A5

 C1D8BB

 D2D8D0

 E3D8E6

 F4D8FB

# Harmonies

## Analogous

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



BFC700



5BD839



00E18E

# Triad

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



5BD839



00D4FF



FF659B

# Complementary

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



5BD839



B639D8

# 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.



FF6DED



5BD839



40BBFF

# Square

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



5BD839



00E0FF



F295FF



FF854D

# Rectangle

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



5BD839



00E3C8



F295FF



FF62B6

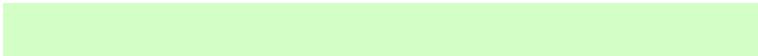


# Sweetspot

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



5BD839



D3FFC7



D8B639



65805E



000000



808080



# Same Dimension

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



5BD839



4FFF1F



39D866



636B60



25AB00



092B00



# Inverse Universe

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



B639D8



CF1FFF



D839AB



69606B



8600AB

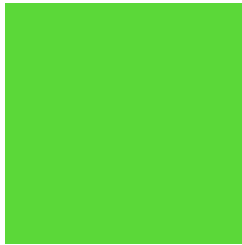


22002B



# Previews

## White Background



This preview shows how the Hex color 5BD839 looks on a white background.

## Color Contrast Check

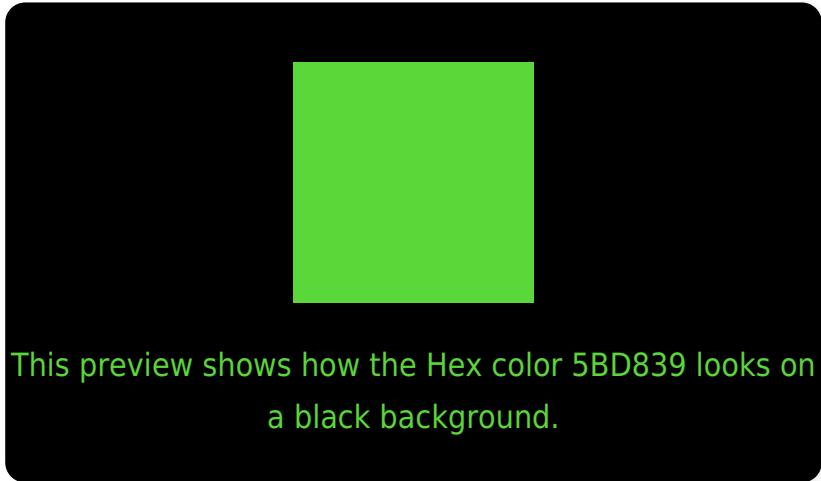
Large Text (above 18pt) WCAG AA × Fail

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 5BD839 Background



This preview shows how black text looks on a background with the Hex color 5BD839.

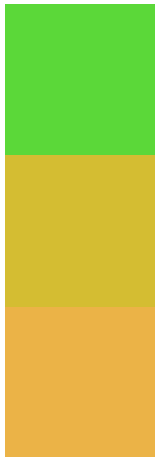


This preview shows how white text looks on a background with the Hex color 5BD839.

# 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](#).

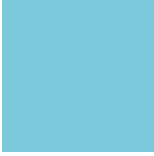
## Dichromacy



**Original Color**  
5BD839

**Protanopia**  
D4BD32

**Deuteranopia**  
EBB347



**Tritanopia**  
7BC9DA

# Trichromacy



**Original Color**  
5BD839



**Protanomaly**  
A8C735



**Deuteranomaly**  
B7C042



**Tritanomaly**  
6FCE9F

# Monochromacy



**Original Color**  
5BD839



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
87B47B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BD839 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 #5BD839 looks like.

```
.text, #text, p{  
    color:#5BD839  
}
```

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 #5BD839 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BD839
}
```

## Border

The CSS property to change the border of an element to Hex 5BD839 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
#5BD839 }
```

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

```
.border{ border-color:#5BD839 }
```

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

Here you see how a box with a 4 pixel #5BD839 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BD839; -webkit-box-shadow:4px 4px  
4px 4px #5BD839; box-shadow:4px 4px 4px  
4px #5BD839 }
```

# Background

The CSS property to change the background color of an element to Hex 5BD839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BD839 }
```

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

```
.background{ background-color:#5BD839 }
```

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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