

# Converting Colors

Hex(5BD12E)

Have a look what the booklet for  
Hex(5BD12E) contains.

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# Color

Hex(5BD12E)

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD12E
RGB	91, 209, 46
RGB Percent	36%, 82%, 18%
CMY	0.6431, 0.1804, 0.8196
CMYK	0.56, 0.00, 0.78, 0.18
HSL	103°, 64%, 50%
HSV	103°, 78%, 82%
XYZ	27.6080, 48.0223, 10.3989
YIQ	155.1360, -18.0050, -75.7090

# Conversions

## Conversions Part 2

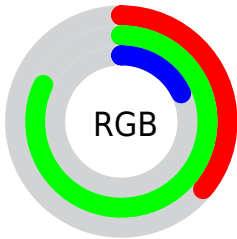
Format	Color
<a href="#">RYB</a>	46, 209, 164
Decimal	6017326
CIELab	74.84, -60.41, 65.20
CIELCh	75, 88.887, 132.819
Yxy	48.0223, 0.3209, 0.5582
Android (android.graphics.Color)	4284207406 (0xFF5BD12E)
YUV	155.1360, -53.8040, -56.2473
Hunter-Lab	69.2981, -50.1584, 39.6116

# Details

The Hex color **5BD12E** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed green. A complement of this color would be **A42ED1**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **98FF69**, and **009900** is the 20% darker color. If you saturate the color by 10%, you get **4CD119**, and if you desaturate by 10%, it is **6AD143**.

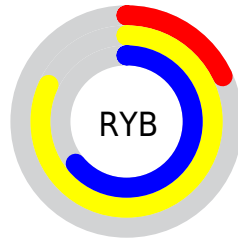
# Distribution



Red (36%)

Green (82%)

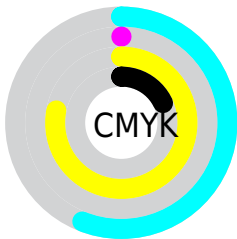
Blue (18%)



Red (18%)

Yellow (82%)

Blue (64%)

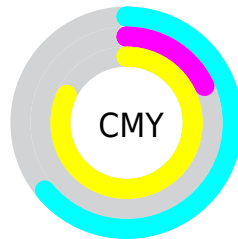


Cyan (56%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (64%)

Magenta (18%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BD12E 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 5BD12E by changing the saturation by 10% instead.



 5BD12E

 5BD12E

FFFFFF

 39B500


 98FF69

 009900

 B6FF85

 007E00

 D4FFA1

 006400

 F3FFBD

 004B00

 FFFFDA

 003400

 FFFFF8

 001A00

 000000

 5BD12E

 5BD12E

 4CD119

 6AD143

 3DD104

 79D158

 3AD100

 88D16D

 98D182

 A7D197

 B6D1AB

 C5D1C0

 D4D1D5

 E3D1EA

# Harmonies

## Analogous

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



BCBF00



5BD12E



00DA85

# Triad

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



5BD12E



00CFFF



FF5D99

# Complementary

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



5BD12E



A42ED1

# 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.



FF68EB



5BD12E



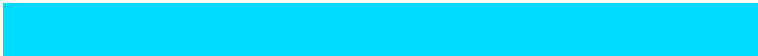
00B6FF

# Square

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



5BD12E



00DAFF



E791FF



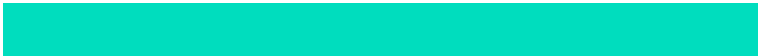
FF7D4B

# Rectangle

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



5BD12E



00DDBE



E791FF



FF5BB4

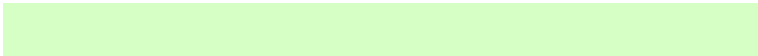


# Sweetspot

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



5BD12E



D5FFC4



D1A32E



66805C



000000



808080



# Same Dimension

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



5BD12E



51FF0F



2ED151



61695E



2EA800



0B2900



# Inverse Universe

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



A42ED1



BD0FFB



D12EAE



665E69



7A00A8

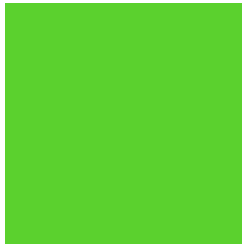


1E0029



# Previews

## White Background



This preview shows how the Hex color 5BD12E looks on a white background.

## Color Contrast Check

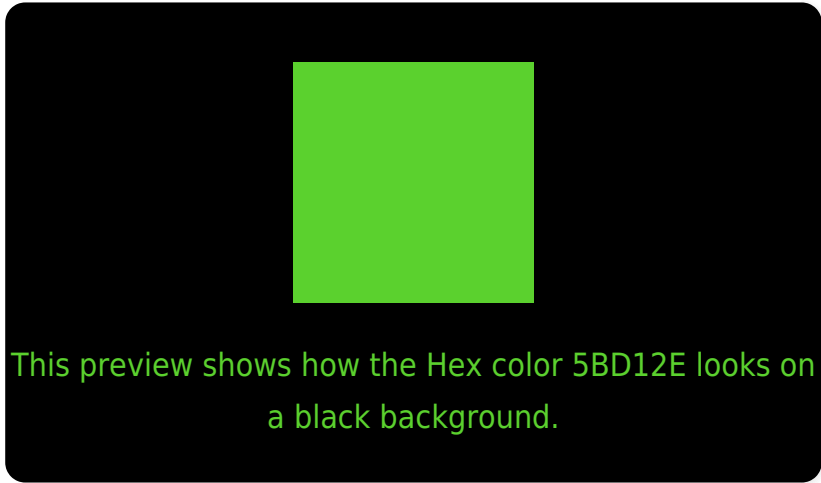
Large Text (above 18pt) WCAG AA × Fail

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 5BD12E Background



This preview shows how black text looks on a background with the Hex color 5BD12E.

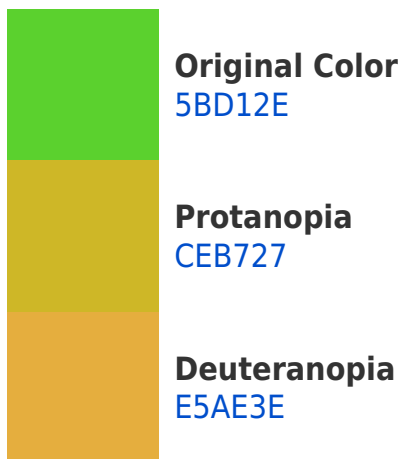


This preview shows how white text looks on a background with the Hex color 5BD12E.

# 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**  
7AC3D2

# Trichromacy



**Original Color**  
5BD12E



**Protanomaly**  
A4C02A



**Deuteranomaly**  
B3BB38



**Tritanomaly**  
6FC896

# Monochromacy



**Original Color**  
5BD12E



**Achromatopsia**  
9B9B9B



**Achromatomaly**  
84AF73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BD12E 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 #5BD12E looks like.

```
.text, #text, p{  
    color:#5BD12E  
}
```

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 #5BD12E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BD12E
}
```

## Border

The CSS property to change the border of an element to Hex 5BD12E 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
#5BD12E }
```

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

```
.border{ border-color:#5BD12E }
```

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

Here you see how a box with a 4 pixel #5BD12E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BD12E; -webkit-box-shadow:4px 4px  
4px 4px #5BD12E; box-shadow:4px 4px 4px  
4px #5BD12E }
```

# Background

The CSS property to change the background color of an element to Hex 5BD12E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BD12E }
```

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

```
.background{ background-color:#5BD12E }
```

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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