

# Converting Colors

Hex(5DD51E)

Have a look what the booklet for  
Hex(5DD51E) contains.

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**Color**

**Hex(5DD51E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DD51E
RGB	93, 213, 30
RGB Percent	36%, 84%, 12%
CMY	0.6353, 0.1647, 0.8824
CMYK	0.56, 0.00, 0.86, 0.16
HSL	99°, 75%, 48%
HSV	99°, 86%, 84%
XYZ	28.5428, 50.0094, 9.3767
YIQ	156.2580, -12.7770, -82.3530

# Conversions

## Conversions Part 2

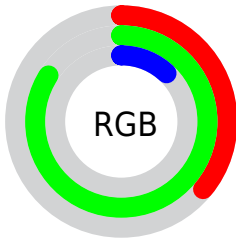
Format	Color
<a href="#">RYB</a>	<a href="#">30, 213, 150</a>
Decimal	<a href="#">6149406</a>
CIELab	<a href="#">76.08, -62.05, 70.43</a>
CIELCh	<a href="#">76, 93.862, 131.379</a>
Yxy	<a href="#">50.0094, 0.3246, 0.5687</a>
Android (android.graphics.Color)	<a href="#">4284339486 (0xFF5DD51E)</a>
YUV	<a href="#">156.2580, -62.2452, -55.4773</a>
Hunter-Lab	<a href="#">70.7173, -51.7095, 41.6406</a>

# Details

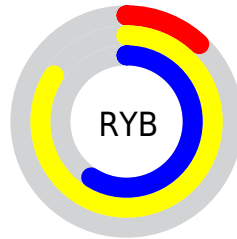
The Hex color **5DD51E** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **961ED5**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **9BFF5F**, and **009D00** is the 20% darker color. If you saturate the color by 10%, you get **4FD509**, and if you desaturate by 10%, it is **6BD533**.

# Distribution



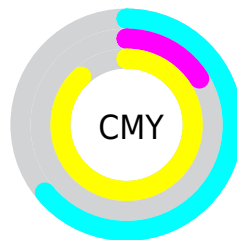
- Red (36%)
- Green (84%)
- Blue (12%)



- Red (12%)
- Yellow (84%)
- Blue (59%)



- Cyan (56%)
- Magenta (0%)
- Yellow (86%)
- Black (16%)



- Cyan (64%)
- Magenta (16%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DD51E 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 5DD51E by changing the saturation by 10% instead.



 5DD51E

 5DD51E

FFFFFF

 3AB900

 9BFF5F

 009D00

 B9FF7B

 008200

 D7FF98

 006800

 F6FFB5

 004E00

 FFFFD2

 003700

 FFFFEF

 001D00

 000000

 5DD51E

 5DD51E

 4FD509

 6BD533

 49D500

 79D549

 87D55E

 95D573

 A3D589

 B1D59E

 BFD5B3

 CDD5C8

 DBD5DE

# Harmonies

## Analogous

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



C3C200



5DD51E



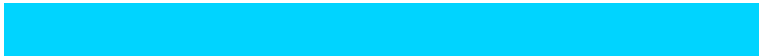
00DF80

# Triad

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



5DD51E



00D4FF



FF569E

# Complementary

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



5DD51E



961ED5

# 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.



FF65F5



5DD51E



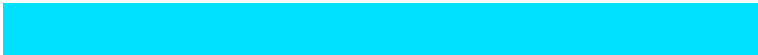
00BBFF

# Square

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



5DD51E



00E0FF



E794FF



FF794B

# Rectangle

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



5DD51E



00E1BD



E794FF



FF54BB

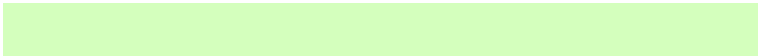


# Sweetspot

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



5DD51E



D4FFBD



D5951E



668058



000000



808080



# Same Dimension

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



5DD51E



58FF00



1ED539



646B60



3BAB00



0F2B00



# Inverse Universe

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



961ED5



A700FF



D51EBA



67606B



7000AB

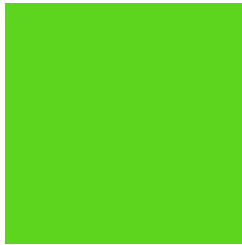


1C002B



# Previews

## White Background



This preview shows how the Hex color 5DD51E looks on a white background.

## Color Contrast Check

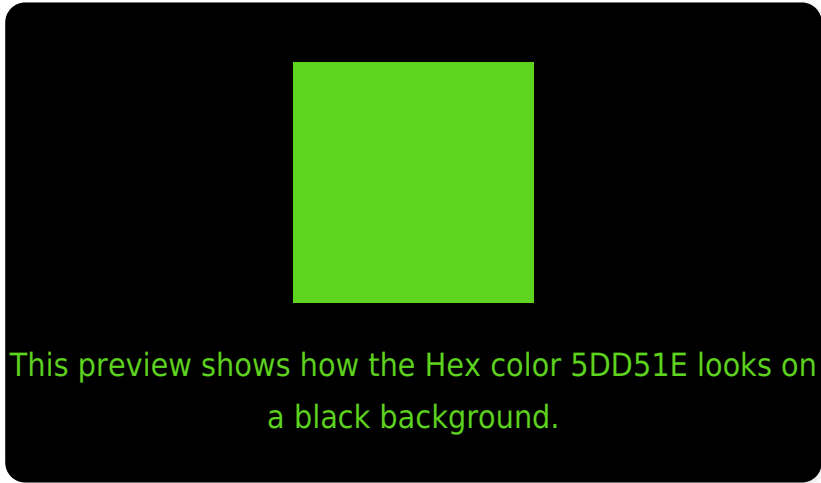
Large Text (above 18pt) WCAG AA × Fail

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 5DD51E Background



This preview shows how black text looks on a background with the Hex color 5DD51E.

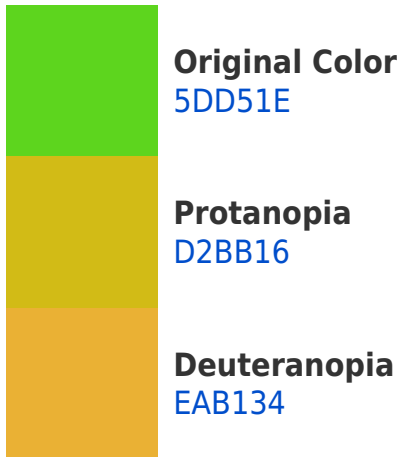


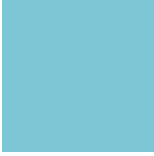
This preview shows how white text looks on a background with the Hex color 5DD51E.

# 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**  
7DC6D6

# Trichromacy



**Original Color**  
5DD51E



**Protanomaly**  
A7C419



**Deuteranomaly**  
B7BE2C



**Tritanomaly**  
71CB93

# Monochromacy



**Original Color**  
5DD51E



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
85B16E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DD51E 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 #5DD51E looks like.

```
.text, #text, p{  
    color:#5DD51E  
}
```

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 #5DD51E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DD51E
}
```

## Border

The CSS property to change the border of an element to Hex 5DD51E 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
#5DD51E }
```

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

```
.border{ border-color:#5DD51E }
```

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

Here you see how a box with a 4 pixel #5DD51E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DD51E; -webkit-box-shadow:4px 4px  
4px 4px #5DD51E; box-shadow:4px 4px 4px  
4px #5DD51E }
```

# Background

The CSS property to change the background color of an element to Hex 5DD51E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DD51E }
```

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

```
.background{ background-color:#5DD51E }
```

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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