

# Converting Colors

Hex(51EE66)

Have a look what the booklet for  
Hex(51EE66) contains.

<b>Hex(51EE66)</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(51EE66)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51EE66
RGB	81, 238, 102
RGB Percent	32%, 93%, 40%
CMY	0.6824, 0.0667, 0.6000
CMYK	0.66, 0.00, 0.57, 0.07
HSL	128°, 82%, 63%
HSV	128°, 66%, 93%
XYZ	36.3661, 63.8577, 22.9795
YIQ	175.5530, -49.9160, -75.5800

# Conversions

## Conversions Part 2

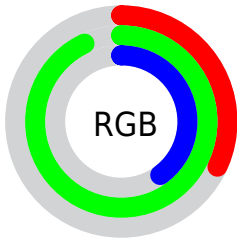
Format	Color
<a href="#">RYB</a>	<a href="#">81, 219, 238</a>
Decimal	<a href="#">5369446</a>
CIELab	<a href="#">83.89, -67.58, 53.15</a>
CIELCh	<a href="#">84, 85.979, 141.816</a>
Yxy	<a href="#">63.8577, 0.2952, 0.5183</a>
Android (android.graphics.Color)	<a href="#">4283559526 (0xFF51EE66)</a>
YUV	<a href="#">175.5530, -36.2616, -82.9230</a>
Hunter-Lab	<a href="#">79.9110, -58.6120, 38.8881</a>

# Details

The Hex color **51EE66** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **EE51D9**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **93FF9C**, and **00B530** is the 20% darker color. If you saturate the color by 10%, you get **39EE51**, and if you desaturate by 10%, it is **69EE7B**.

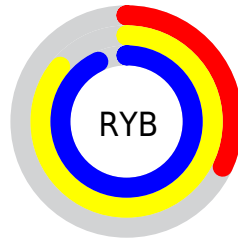
# Distribution



Red (32%)

Green (93%)

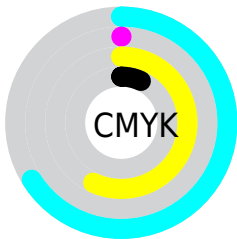
Blue (40%)



Red (32%)

Yellow (86%)

Blue (93%)

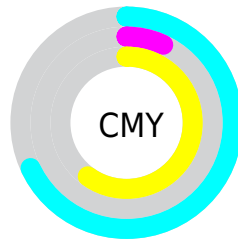


Cyan (66%)

Magenta (0%)

Yellow (57%)

Black (7%)



Cyan (68%)

Magenta (7%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51EE66 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 51EE66 by changing the saturation by 10% instead.



 51EE66

 51EE66

FFFFFF

 26D14B

 93FF9C

 00B530

 B2FFB8

 00990F

 D1FFD5

 007E00

 EFFFF2

 006300

 004A00

 003200

 001600

 000000

 51EE66

 51EE66

 39EE51

 69EE7B

 21EE3D

 81EE8F

 0AEE28

 98EEA4

 00EE20

 B0EEB8

 C8EECD

 E0EEE2

 F8EEF6

 FFEEFF

# Harmonies

## Analogous

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



C0DF1A



51EE66



00F5B7

# Triad

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



51EE66



00E1FF



FF859A

# Complementary

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



51EE66



EE51D9

# 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.



FF82EB



51EE66



A4C5FF

# Square

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



51EE66



00F1FF



FFA0FF



FFA451

# Rectangle

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



51EE66



00F7F0



FFA0FF



FF7FB5

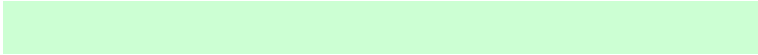


# Sweetspot

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



51EE66



CCFFD3



D9EE51



618065



000000



808080



# Same Dimension

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



51EE66



36FF50



51EEB4



6C786D



00B819



003808



# Inverse Universe

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



EE51D9



FF36E4



EE518B



786C76



B8009F

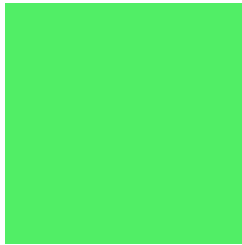


380031



# Previews

## White Background



This preview shows how the Hex color 51EE66 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 51EE66 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

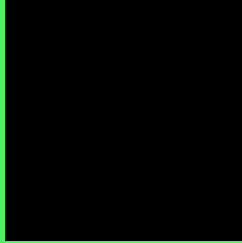
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 51EE66 Background



This preview shows how black text looks on a background with the Hex color 51EE66.

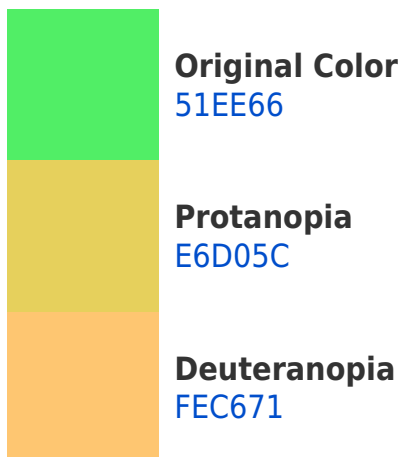


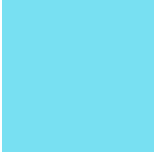
This preview shows how white text looks on a background with the Hex color 51EE66.

# 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



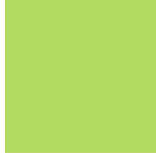


**Tritanopia**  
78E0F2

# Trichromacy



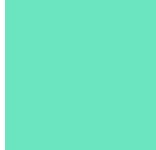
**Original Color**  
51EE66



**Protanomaly**  
B0DB60

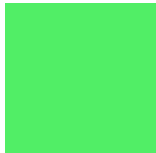


**Deuteranomaly**  
BFD56D

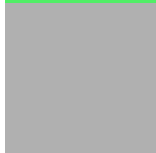


**Tritanomaly**  
6AE5BF

# Monochromacy



**Original Color**  
51EE66



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
8DC795

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51EE66 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 #51EE66 looks like.

```
.text, #text, p{  
    color:#51EE66  
}
```

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 #51EE66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51EE66
}
```

## Border

The CSS property to change the border of an element to Hex 51EE66 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
#51EE66 }
```

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

```
.border{ border-color:#51EE66 }
```

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

Here you see how a box with a 4 pixel #51EE66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51EE66; -webkit-box-shadow:4px 4px  
4px 4px #51EE66; box-shadow:4px 4px 4px  
4px #51EE66 }
```

# Background

The CSS property to change the background color of an element to Hex 51EE66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51EE66 }
```

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

```
.background{ background-color:#51EE66 }
```

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