

Converting Colors

Hex(51E249)

Have a look what the booklet for
Hex(51E249) contains.

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Color

Hex(51E249)

Conversions

Conversions Part 1

Format	Color
Hex	51E249
RGB	81, 226, 73
RGB Percent	32%, 89%, 29%
CMY	0.6824, 0.1137, 0.7137
CMYK	0.64, 0.00, 0.68, 0.11
HSL	117°, 73%, 59%
HSV	117°, 68%, 89%
XYZ	31.7923, 56.6231, 15.5571
YIQ	165.2030, -37.3070, -78.3230

Conversions

Conversions Part 2

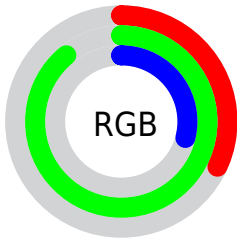
Format	Color
RYB	73, 226, 218
Decimal	5366345
CIELab	79.97, -66.57, 60.90
CIELCh	80, 90.227, 137.545
Yxy	56.6231, 0.3058, 0.5446
Android (android.graphics.Color)	4283556425 (0xFF51E249)
YUV	165.2030, -45.4561, -73.8460
Hunter-Lab	75.2483, -56.2686, 40.4160

Details

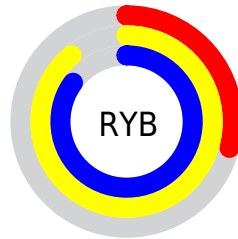
The Hex color **51E249** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **DA49E2**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **92FF80**, and **00A900** is the 20% darker color. If you saturate the color by 10%, you get **3CE232**, and if you desaturate by 10%, it is **66E260**.

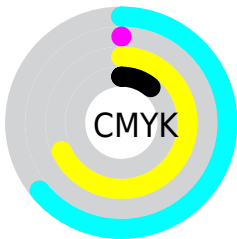
Distribution



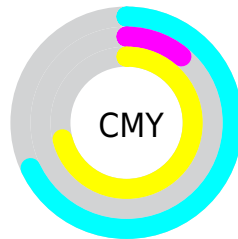
- Red (32%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (85%)



- Cyan (64%)
- Magenta (0%)
- Yellow (68%)
- Black (11%)



- Cyan (68%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 51E249 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 51E249 by changing the saturation by 10% instead.

 51E249

 51E249

FFFFFF

 28C52B

 92FF80

 00A900

 B0FF9C

 008E00

 CFFFB9

 007300

 EEFFD5

 005900

 FFFFF3

 004000

 002800

 000000

 51E249

 51E249

 3CE232

 66E260

 26E21C

 7CE276

 11E205

 91E28D

 0CE200

 A7E2A3

 BCE2BA

 D2E2D1

 E7E2E7

 FCE2FE

 FFE2FF

Harmonies

Analogous

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



BED100



51E249



00EA9F

Triad

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



51E249



00DAFF



FF6F99

Complementary

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



51E249



DA49E2

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.



FF72ED



51E249



70BFFF

Square

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



51E249



00E8FF



FF98FF



FF904A

Rectangle

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



51E249



00ECDA



FF98FF



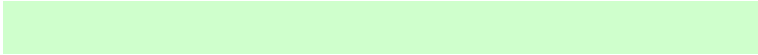
FF6AB5

Sweetspot

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



51E249



CFFFCC



E2D849



638061



000000



808080

Same Dimension

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



51E249



3BFF30



49E28B



667065



09B000



033000

Inverse Universe

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



DA49E2



F430FF



E249A0



706570



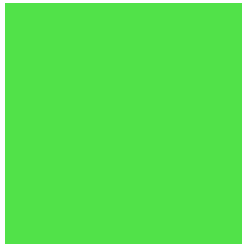
A700B0



2E0030

Previews

White Background



This preview shows how the Hex color 51E249 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 51E249 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 51E249 Background



This preview shows how black text looks on a background with the Hex color 51E249.

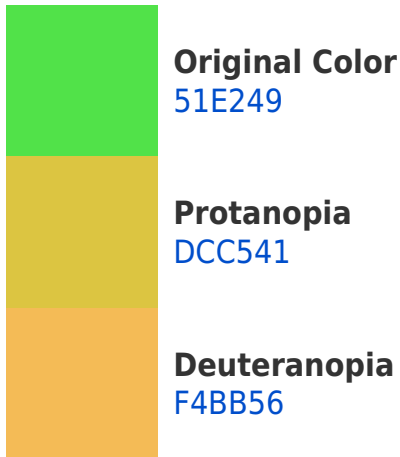


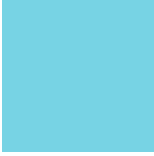
This preview shows how white text looks on a background with the Hex color 51E249.

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](#).

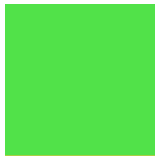
Dichromacy





Tritanopia
77D3E4

Trichromacy



Original Color
51E249



Protanomaly
A9D044



Deuteranomaly
B9C951

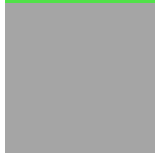


Tritanomaly
69D8AC

Monochromacy



Original Color
51E249



Achromatopsia
A5A5A5



Achromatomaly
86BB84

CSS Examples

Text

The CSS property to change the color of the text to Hex 51E249 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 #51E249 looks like.

```
.text, #text, p{  
    color:#51E249  
}
```

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 #51E249 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51E249
}
```

Border

The CSS property to change the border of an element to Hex 51E249 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
#51E249 }
```

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

```
.border{ border-color:#51E249 }
```

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

Here you see how a box with a 4 pixel #51E249 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51E249; -webkit-box-shadow:4px 4px  
4px 4px #51E249; box-shadow:4px 4px 4px  
4px #51E249 }
```

Background

The CSS property to change the background color of an element to Hex 51E249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51E249 }
```

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

```
.background{ background-color:#51E249 }
```

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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