

# Converting Colors

Hex(60E149)

Have a look what the booklet for  
Hex(60E149) contains.

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**Color**

**Hex(60E149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60E149
RGB	96, 225, 73
RGB Percent	38%, 88%, 29%
CMY	0.6235, 0.1176, 0.7137
CMYK	0.57, 0.00, 0.68, 0.12
HSL	111°, 72%, 58%
HSV	111°, 68%, 88%
XYZ	32.9517, 56.8183, 15.5336
YIQ	169.1010, -28.0920, -74.6200

# Conversions

## Conversions Part 2

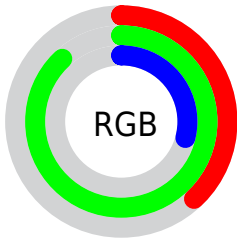
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 225, 202
Decimal	6349129
CIELab	80.08, -62.88, 61.15
CIElCh	80, 87.706, 135.799
Yxy	56.8183, 0.3129, 0.5396
Android (android.graphics.Color)	4284539209 (0xFF60E149)
YUV	169.1010, -47.3778, -64.1096
Hunter-Lab	75.3779, -53.8795, 40.5462

# Details

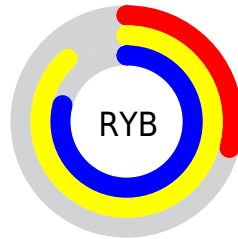
The Hex color **60E149** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **CA49E1**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **9EFF80**, and **06A800** is the 20% darker color. If you saturate the color by 10%, you get **4DE133**, and if you desaturate by 10%, it is **73E15F**.

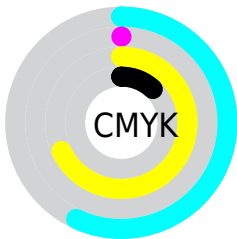
# Distribution



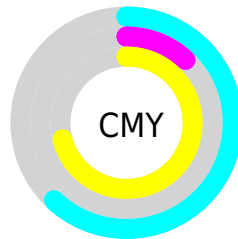
- Red (38%)
- Green (88%)
- Blue (29%)



- Red (29%)
- Yellow (88%)
- Blue (79%)



- Cyan (57%)
- Magenta (0%)
- Yellow (68%)
- Black (12%)



- Cyan (62%)
- Magenta (12%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 60E149 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 60E149 by changing the saturation by 10% instead.



 60E149

 60E149

FFFFFF

 3EC42B

 9EFF80

 06A800

 BCFF9C

 008D00

 DAFFB9

 007300

 F9FFD5

 005900

 FFFFF3

 004000

 002800

 000100

 000000

 60E149

 60E149

 4DE133

 73E15F

 3AE11C

 86E176

 27E105

 99E18C

 22E100

 ACE1A3

 BFE1BA

 D3E1D0

 E6E1E7

 F9E1FD

 FFE1FF

# Harmonies

## Analogous

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



C4D000



60E149



00EA9B

# Triad

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



60E149



00DBFF



FF729F

# Complementary

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



60E149



CA49E1

# 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.



FF78F1



60E149



67C1FF

# Square

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



60E149



00E8FF



FF9CFF



FF9053

# Rectangle

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



60E149



00ECD5



FF9CFF



FF6FBA

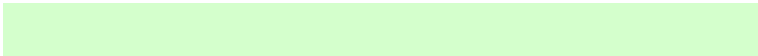


# Sweetspot

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



60E149



D4FFCC



E1C849



668061



000000



808080



# Same Dimension

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



60E149



50FF30



49E17C



677065



1BB000



073000



# Inverse Universe

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



CA49E1



E030FF



E149AE



6F6570



9500B0

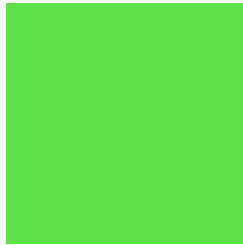


290030



# Previews

## White Background



This preview shows how the Hex color 60E149 looks on a white background.

## Color Contrast Check

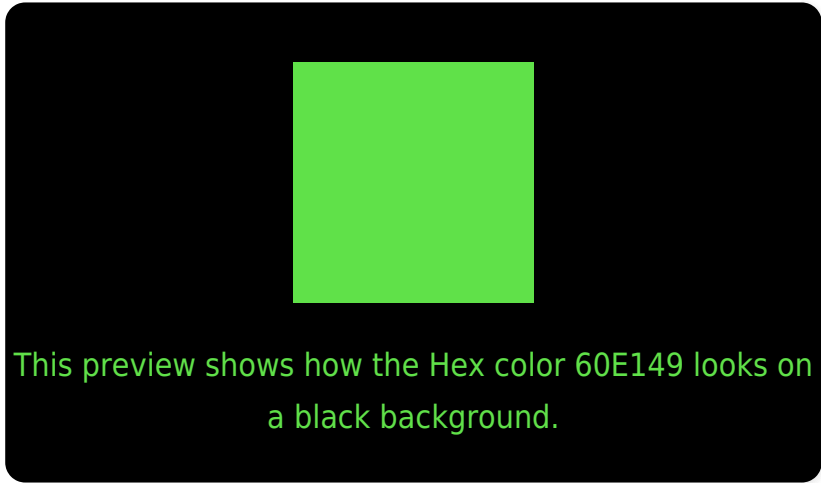
Large Text (above 18pt) WCAG AA × Fail

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 60E149 Background



This preview shows how black text looks on a background with the Hex color 60E149.

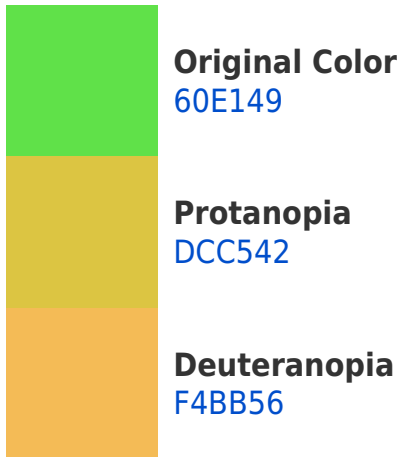


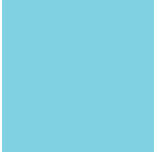
This preview shows how white text looks on a background with the Hex color 60E149.

# 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**  
80D2E3

# Trichromacy



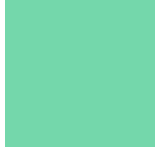
**Original Color**  
60E149



**Protanomaly**  
AFCF45



**Deuteranomaly**  
BEC951



**Tritanomaly**  
74D7AB

# Monochromacy



**Original Color**  
60E149



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
8EBD86

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 60E149 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 #60E149 looks like.

```
.text, #text, p{  
    color:#60E149  
}
```

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 #60E149 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #60E149
}
```

## Border

The CSS property to change the border of an element to Hex 60E149 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
#60E149 }
```

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

```
.border{ border-color:#60E149 }
```

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

Here you see how a box with a 4 pixel #60E149 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #60E149; -webkit-box-shadow:4px 4px  
4px 4px #60E149; box-shadow:4px 4px 4px  
4px #60E149 }
```

# Background

The CSS property to change the background color of an element to Hex 60E149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#60E149 }
```

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

```
.background{ background-color:#60E149 }
```

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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