

# Converting Colors

Hex(5DE24E)

Have a look what the booklet for  
Hex(5DE24E) contains.

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# Color

Hex(5DE24E)

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE24E
RGB	93, 226, 78
RGB Percent	36%, 89%, 31%
CMY	0.6353, 0.1137, 0.6941
CMYK	0.59, 0.00, 0.65, 0.11
HSL	114°, 72%, 60%
HSV	114°, 65%, 89%
XYZ	33.0857, 57.2699, 16.5181
YIQ	169.3610, -31.7600, -74.2240

# Conversions

## Conversions Part 2

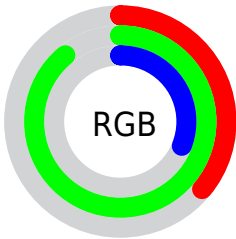
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 226, 211
Decimal	6152782
CIELab	80.33, -63.49, 59.42
CIELCh	80, 86.963, 136.898
Yxy	57.2699, 0.3096, 0.5359
Android (android.graphics.Color)	4284342862 (0xFF5DE24E)
YUV	169.3610, -45.0410, -66.9686
Hunter-Lab	75.6769, -54.3949, 40.0325

# Details

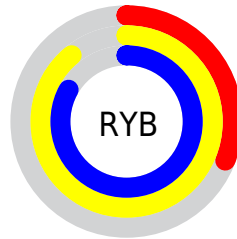
The Hex color **5DE24E** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **D34EE2**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **9BFF85**, and **00A90D** is the 20% darker color. If you saturate the color by 10%, you get **49E237**, and if you desaturate by 10%, it is **71E265**.

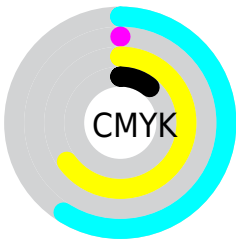
# Distribution



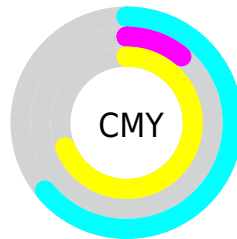
- Red (36%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (83%)



- Cyan (59%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DE24E 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 5DE24E by changing the saturation by 10% instead.



 5DE24E

 5DE24E

FFFFFF

 3AC531

 9BFF85

 00A90D

 B9FFA1

 008E00

 D8FFBD

 007300

 F6FFDA

 005900

 FFFFF7

 004000

 002900

 000200

 000000

 5DE24E

 5DE24E

 49E237

 71E265

 34E221

 86E27B

 20E20A

 9AE292

 17E200

 AEE2A8

 C3E2BF

 D7E2D6

 EBE2EC

 FFE2FF

# Harmonies

## Analogous

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



C2D100



5DE24E



00EAA0

# Triad

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



5DE24E



00DBFF



FF759D

# Complementary

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



5DE24E



D34EE2

# 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.



FF79EE



5DE24E



74C1FF

# Square

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



5DE24E



00E8FF



FF9CFF



FF9352

# Rectangle

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



5DE24E



00EDD8



FF9CFF



FF71B8

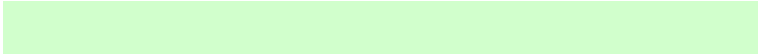


# Sweetspot

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



5DE24E



D1FFCC



E2D14E



648061



000000



808080



# Same Dimension

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



5DE24E



4AFF36



4EE287



667065



12B000



053000



# Inverse Universe

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



D34EE2



EB36FF



E24EA9



6F6570



9E00B0

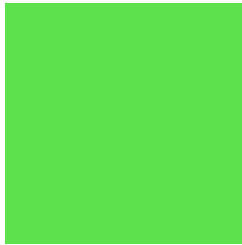


2C0030



# Previews

## White Background



This preview shows how the Hex color 5DE24E 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 5DE24E looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

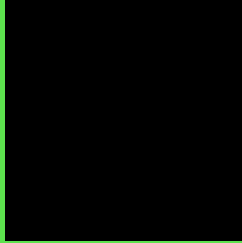
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5DE24E Background



This preview shows how black text looks on a background with the Hex color 5DE24E.

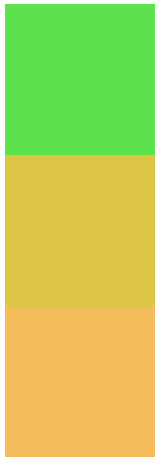


This preview shows how white text looks on a background with the Hex color 5DE24E.

# 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](#).

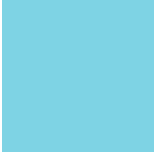
## Dichromacy



**Original Color**  
5DE24E

**Protanopia**  
DDC646

**Deuteranopia**  
F4BC5A



**Tritanopia**  
7ED3E4

# Trichromacy



**Original Color**  
5DE24E



**Protanomaly**  
AED049



**Deuteranomaly**  
BDCA56



**Tritanomaly**  
72D8AD

# Monochromacy



**Original Color**  
5DE24E



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
8DBE88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DE24E 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 #5DE24E looks like.

```
.text, #text, p{  
    color:#5DE24E  
}
```

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 #5DE24E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DE24E
}
```

## Border

The CSS property to change the border of an element to Hex 5DE24E 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
#5DE24E }
```

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

```
.border{ border-color:#5DE24E }
```

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

Here you see how a box with a 4 pixel #5DE24E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DE24E; -webkit-box-shadow:4px 4px  
4px 4px #5DE24E; box-shadow:4px 4px 4px  
4px #5DE24E }
```

# Background

The CSS property to change the background color of an element to Hex 5DE24E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DE24E }
```

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

```
.background{ background-color:#5DE24E }
```

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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