

# Converting Colors

Hex(13ED49)

Have a look what the booklet for  
Hex(13ED49) contains.

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**Color**

**Hex(13ED49)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13ED49
RGB	19, 237, 73
RGB Percent	7%, 93%, 29%
CMY	0.9255, 0.0706, 0.7137
CMYK	0.92, 0.00, 0.69, 0.07
HSL	135°, 86%, 50%
HSV	135°, 92%, 93%
XYZ	31.7553, 61.1879, 16.4401
YIQ	153.1220, -77.2840, -97.2200

# Conversions

## Conversions Part 2

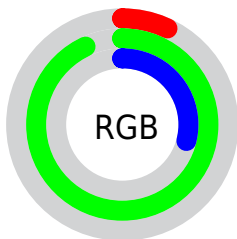
Format	Color
<a href="#">RYB</a>	<a href="#">19, 194, 237</a>
Decimal	<a href="#">1305929</a>
CIELab	<a href="#">82.48, -77.53, 63.29</a>
CIELCh	<a href="#">82, 100.088, 140.774</a>
Yxy	<a href="#">61.1879, 0.2903, 0.5594</a>
Android (android.graphics.Color)	<a href="#">4279496009 (0xFF13ED49)</a>
YUV	<a href="#">153.1220, -39.5001, -117.6250</a>
Hunter-Lab	<a href="#">78.2227, -64.4257, 42.2949</a>

# Details

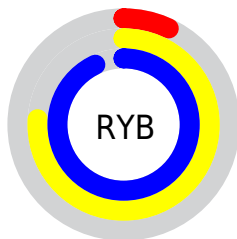
The Hex color **13ED49** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **ED13B7**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **74FF81**, and **00B300** is the 20% darker color. If you saturate the color by 10%, you get **00ED3B**, and if you desaturate by 10%, it is **2BED5B**.

# Distribution



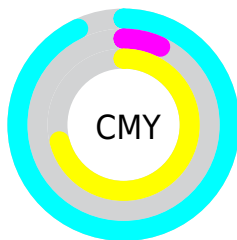
- Red (7%)
- Green (93%)
- Blue (29%)



- Red (7%)
- Yellow (76%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (69%)
- Black (7%)



- Cyan (93%)
- Magenta (7%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 13ED49 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 13ED49 by changing the saturation by 10% instead.



 13ED49

 13ED49


FFFFFF

 00D02A

 74FF81

 00B300

 96FF9D

 009700

 B6FFBA

 007C00

 D6FFD7

 006100

 F6FFF4

 004700

 002E00

 001000

 000000

 13ED49

 13ED49

 00ED3B

 2BED5B

 42ED6D

 5AED7E

 72ED90

 89EDA2

 A1EDB4

 B9EDC6

 D1EDD8

 E8EDE9

# Harmonies

## Analogous

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



B8DC00



13ED49



00F5AC

# Triad

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



13ED49



00E1FF



FF6891

# Complementary

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



13ED49



ED13B7

# 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.



FF64EF



13ED49



81C1FF

# Square

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



13ED49



00F2FF



FF92FF



FF9436

# Rectangle

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



13ED49



00F7EE



FF92FF



FF5FB0

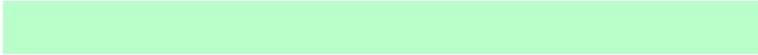


# Sweetspot

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



13ED49



B8FFC9



BAED13



54805F



000000



808080



# Same Dimension

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



13ED49



00FF3F



13EDB3



6A756C



00B52D



00360D



# Inverse Universe

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



ED13B7



FF00C0



ED134D



756A72



B50088

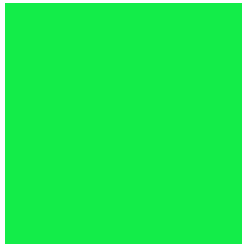


360028



# Previews

## White Background



This preview shows how the Hex color 13ED49 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 13ED49 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 13ED49 Background



This preview shows how black text looks on a background with the Hex color 13ED49.

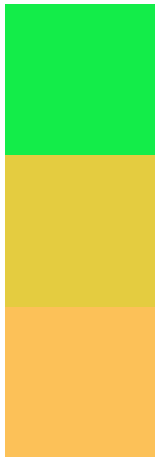


This preview shows how white text looks on a background with the Hex color 13ED49.

# 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](#).

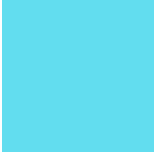
## Dichromacy



**Original Color**  
13ED49

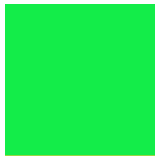
**Protanopia**  
E4CC40

**Deuteranopia**  
FCC158



**Tritanopia**  
62DDEF

# Trichromacy



**Original Color**  
13ED49



**Protanomaly**  
98D843

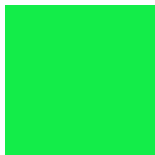


**Deuteranomaly**  
A7D153



**Tritanomaly**  
45E3B3

# Monochromacy



**Original Color**  
13ED49



**Achromatopsia**  
999999



**Achromatomaly**  
68B87C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13ED49 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 #13ED49 looks like.

```
.text, #text, p{  
    color:#13ED49  
}
```

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 #13ED49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13ED49
}
```

## Border

The CSS property to change the border of an element to Hex 13ED49 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
#13ED49 }
```

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

```
.border{ border-color:#13ED49 }
```

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

Here you see how a box with a 4 pixel #13ED49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13ED49; -webkit-box-shadow:4px 4px  
4px 4px #13ED49; box-shadow:4px 4px 4px  
4px #13ED49 }
```

# Background

The CSS property to change the background color of an element to Hex 13ED49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13ED49 }
```

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

```
.background{ background-color:#13ED49 }
```

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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