

Converting Colors

Hex(13DE49)

Have a look what the booklet for
Hex(13DE49) contains.

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Color

Hex(13DE49)

Conversions

Conversions Part 1

Format	Color
Hex	13DE49
RGB	19, 222, 73
RGB Percent	7%, 87%, 29%
CMY	0.9255, 0.1294, 0.7137
CMYK	0.91, 0.00, 0.67, 0.13
HSL	136°, 84%, 47%
HSV	136°, 91%, 87%
XYZ	27.5924, 52.8620, 15.0525
YIQ	144.3170, -73.1590, -89.3750

Conversions

Conversions Part 2

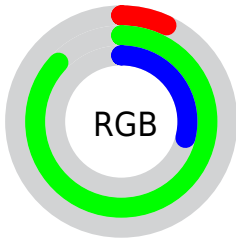
Format	Color
RYB	19, 179, 222
Decimal	1302089
CIELab	77.79, -73.21, 58.30
CIELCh	78, 93.588, 141.469
Yxy	52.8620, 0.2889, 0.5535
Android (android.graphics.Color)	4279492169 (0xFF13DE49)
YUV	144.3170, -35.1593, -109.9030
Hunter-Lab	72.7063, -59.4943, 38.6195

Details

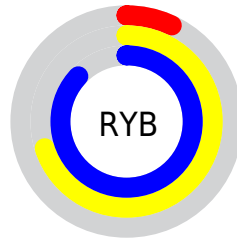
The Hex color **13DE49** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **DE13A8**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **70FF80**, and **00A503** is the 20% darker color. If you saturate the color by 10%, you get **00DE3B**, and if you desaturate by 10%, it is **29DE59**.

Distribution



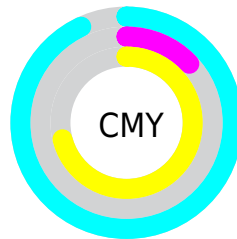
- Red (7%)
- Green (87%)
- Blue (29%)



- Red (7%)
- Yellow (70%)
- Blue (87%)



- Cyan (91%)
- Magenta (0%)
- Yellow (67%)
- Black (13%)



- Cyan (93%)
- Magenta (13%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 13DE49 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 13DE49 by changing the saturation by 10% instead.

 13DE49

 13DE49

FFFFFF

 00C12C

 70FF80

 00A503

 91FF9C

 008A00

 B1FFB8

 006F00

 D0FFD4

 005400

 F0FFF2

 003C00

 002200

 000000

 13DE49

 13DE49

 00DE3B

 29DE59

 3FDE6A

 56DE7A

 6CDE8A

 82DE9A

 98DEAB

 AEDEBB

 C5DECB

 DBDEDC

Harmonies

Analogous

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



ABCF00



13DE49



00E5A4

Triad

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



13DE49



00D2FF



FF6586

Complementary

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



13DE49



DE13A8

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.



FF61DD



13DE49



81B4FF

Square

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



13DE49



00E2FF



FF89FF



FF8D34

Rectangle

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



13DE49



00E7E0



FF89FF



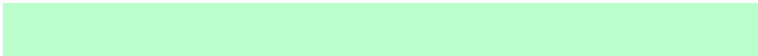
FF5DA3

Sweetspot

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



13DE49



BAFFCC



ABDE13



578062



000000



808080

Same Dimension

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



13DE49



00FF44



13DEAB



657068



00B02F



00300D

Inverse Universe

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



DE13A8



FF00BB



DE1346



70656D



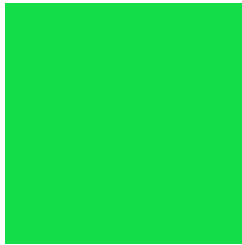
B00081



300024

Previews

White Background



This preview shows how the Hex color 13DE49 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 13DE49 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 13DE49 Background



This preview shows how black text looks on a background with the Hex color 13DE49.

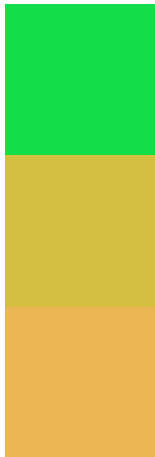


This preview shows how white text looks on a background with the Hex color 13DE49.

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](#).

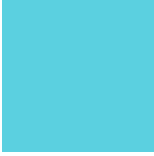
Dichromacy



Original Color
13DE49

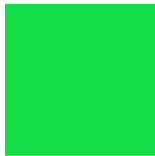
Protanopia
D5BF40

Deuteranopia
ECB556



Tritanopia
5BD0E0

Trichromacy



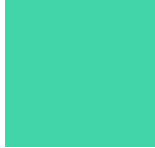
Original Color
13DE49



Protanomaly
8ECA43



Deuteranomaly
9DC451



Tritanomaly
41D5A9

Monochromacy



Original Color
13DE49



Achromatopsia
909090



Achromatomaly
63AC76

CSS Examples

Text

The CSS property to change the color of the text to Hex 13DE49 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 #13DE49 looks like.

```
.text, #text, p{  
    color:#13DE49  
}
```

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 #13DE49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13DE49
}
```

Border

The CSS property to change the border of an element to Hex 13DE49 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
#13DE49 }
```

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

```
.border{ border-color:#13DE49 }
```

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

Here you see how a box with a 4 pixel #13DE49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13DE49; -webkit-box-shadow:4px 4px  
4px 4px #13DE49; box-shadow:4px 4px 4px  
4px #13DE49 }
```

Background

The CSS property to change the background color of an element to Hex 13DE49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13DE49 }
```

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

```
.background{ background-color:#13DE49 }
```

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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