

Converting Colors

Hex(33DE00)

Have a look what the booklet for
Hex(33DE00) contains.

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Color

Hex(33DE00)

Conversions

Conversions Part 1

Format	Color
Hex	33DE00
RGB	51, 222, 0
RGB Percent	20%, 87%, 0%
CMY	0.8000, 0.1294, 1.0000
CMYK	0.77, 0.00, 1.00, 0.13
HSL	106°, 100%, 44%
HSV	106°, 100%, 87%
XYZ	27.4865, 52.9464, 8.7710
YIQ	145.5630, -30.6540, -105.2940

Conversions

Conversions Part 2

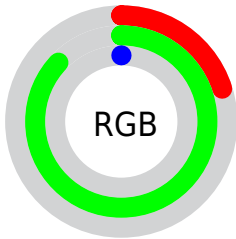
Format	Color
RYB	0, 222, 171
Decimal	3399168
CIELab	77.84, -73.85, 75.42
CIELCh	78, 105.558, 134.397
Yxy	52.9464, 0.3081, 0.5935
Android (android.graphics.Color)	4281589248 (0xFF33DE00)
YUV	145.5630, -71.7626, -82.9318
Hunter-Lab	72.7642, -59.9095, 43.7882

Details

The Hex color **33DE00** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **AB00DE**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **7FFF55**, and **00A500** is the 20% darker color. If you saturate the color by 10%, you get **33DE00**, and if you desaturate by 10%, it is **44DE16**.

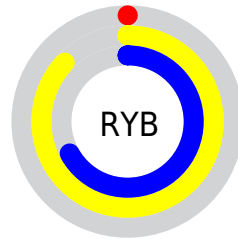
Distribution



Red (20%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (67%)

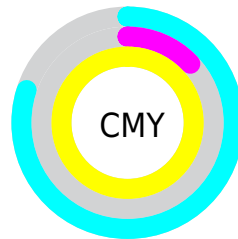


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (80%)

Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33DE00 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 33DE00 by changing the saturation by 10% instead.

 33DE00

 33DE00

FFFFFF

 00C100

 7FFF55

 00A500

 9FFF73

 008A00

 BFFF90

 006F00

 DFFFAD

 005500

 FEFFCB

 003C00

 FFFFEB

 002200

 000000

 33DE00

 44DE16

 55DE2C

 66DE43

 77DE59

 89DE6F

 9ADE85

 ABDE9B

 BCDEB2

 CDDEC8

Harmonies

Analogous

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



BCCB00



33DE00



00E788

Triad

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



33DE00



00DAFF



FF3E96

Complementary

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



33DE00



AB00DE

Split Complementary

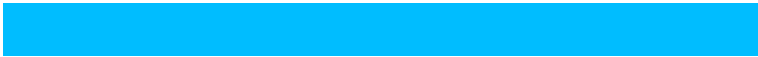
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF4EF8



33DE00



00BDFE

Square

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



33DE00



00E8FF



FC8CFF



FF7636

Rectangle

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



33DE00



00EACD



FC8CFF



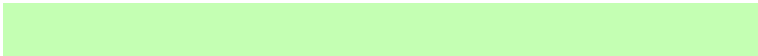
FF37B6

Sweetspot

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



33DE00



C4FFB3



DEAA00



5C8052



000000



808080

Same Dimension

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



33DE00



3BFF00



00DE3B



687065



28B000



0B3000

Inverse Universe

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



AB00DE



C400FF



DE00A3



6E6570



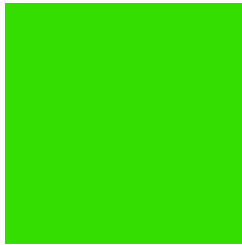
8800B0



250030

Previews

White Background



This preview shows how the Hex color 33DE00 looks on a white background.

Color Contrast Check

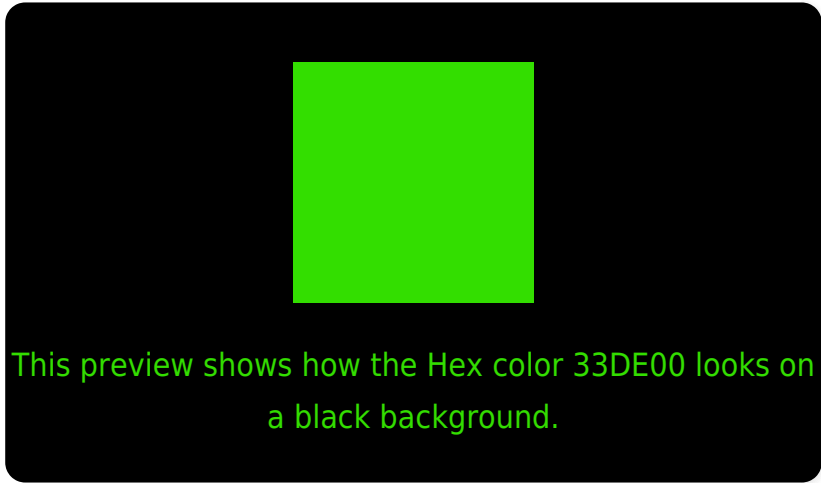
Large Text (above 18pt) WCAG AA × Fail

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

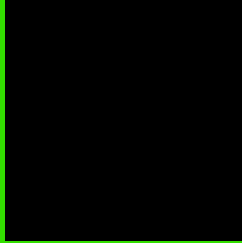
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

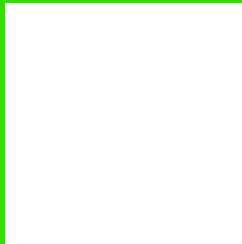
Any Text WCAG AAA ✓ Pass

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

Hex 33DE00 Background



This preview shows how black text looks on a background with the Hex color 33DE00.

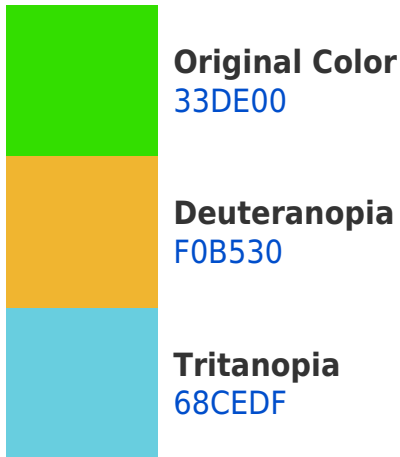


This preview shows how white text looks on a background with the Hex color 33DE00.

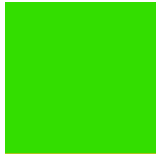
Color Blindness Simulation

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](#).

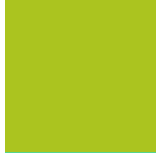
Dichromacy



Trichromacy



Original Color
33DE00

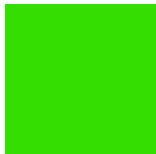


Deuteranomaly
ABC41F



Tritanomaly
55D48E

Monochromacy



Original Color
33DE00



Achromatopsia
929292



Achromatomaly
6FAE5D

CSS Examples

Text

The CSS property to change the color of the text to Hex 33DE00 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 #33DE00 looks like.

```
.text, #text, p{  
    color:#33DE00  
}
```

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 #33DE00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33DE00
}
```

Border

The CSS property to change the border of an element to Hex 33DE00 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
#33DE00 }
```

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

```
.border{ border-color:#33DE00 }
```

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

Here you see how a box with a 4 pixel #33DE00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33DE00; -webkit-box-shadow:4px 4px  
4px 4px #33DE00; box-shadow:4px 4px 4px  
4px #33DE00 }
```

Background

The CSS property to change the background color of an element to Hex 33DE00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33DE00 }
```

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

```
.background{ background-color:#33DE00 }
```

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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