

Converting Colors

Hex(33E500)

Have a look what the booklet for
Hex(33E500) contains.

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Color

Hex(33E500)

Conversions

Conversions Part 1

Format	Color
Hex	33E500
RGB	51, 229, 0
RGB Percent	20%, 90%, 0%
CMY	0.8000, 0.1020, 1.0000
CMYK	0.78, 0.00, 1.00, 0.10
HSL	107°, 100%, 45%
HSV	107°, 100%, 90%
XYZ	29.3846, 56.7424, 9.4037
YIQ	149.6720, -32.5790, -108.9550

Conversions

Conversions Part 2

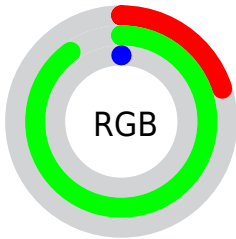
Format	Color
RYB	0, 229, 178
Decimal	3400960
CIELab	80.03, -75.85, 77.17
CIELCh	80, 108.209, 134.506
Yxy	56.7424, 0.3076, 0.5940
Android (android.graphics.Color)	4281591040 (0xFF33E500)
YUV	149.6720, -73.7883, -86.5353
Hunter-Lab	75.3276, -62.1921, 45.3277

Details

The Hex color **33E500** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **B200E5**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **80FF57**, and **00AC00** is the 20% darker color. If you saturate the color by 10%, you get **33E500**, and if you desaturate by 10%, it is **45E517**.

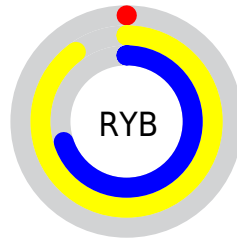
Distribution



Red (20%)

Green (90%)

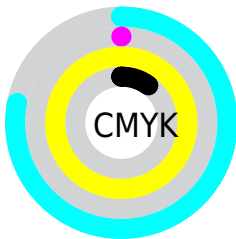
Blue (0%)



Red (0%)

Yellow (90%)

Blue (70%)

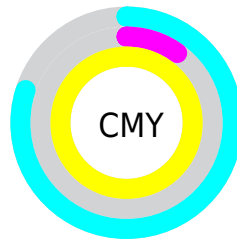


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (80%)

Magenta (10%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33E500 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 33E500 by changing the saturation by 10% instead.

 33E500

 33E500

FFFFFF

 00C800

 80FF57

 00AC00

 A1FF75

 009000

 C1FF92

 007500

 E1FFAF

 005B00

 FFFFCF

 004200

 FFFFEB

 002800

 000000

 33E500

 45E517

 57E52E

 68E545

 7AE55C

 8CE573

 9EE589

 B0E5A0

 C1E5B7

 D3E5CE

Harmonies

Analogous

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



C2D100



33E500



00EF8C

Triad

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



33E500



00E1FF



FF409A

Complementary

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



33E500



B200E5

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.



FF50FF



33E500



00C3FF

Square

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



33E500



00EFFF



FF90FF



FF7A37

Rectangle

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



33E500



00F1D4



FF90FF



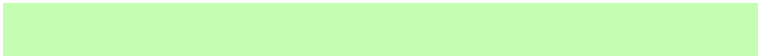
FF38BC

Sweetspot

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



33E500



C4FFB3



E5B000



5C8052



000000



808080

Same Dimension

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



33E500



39FF00



00E53D



6A7367



28B300



0B3300

Inverse Universe

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



B200E5



C600FF



E500A8



706773



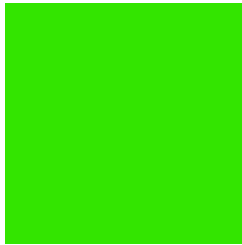
8B00B3



280033

Previews

White Background



This preview shows how the Hex color 33E500 looks on a white background.

Color Contrast Check

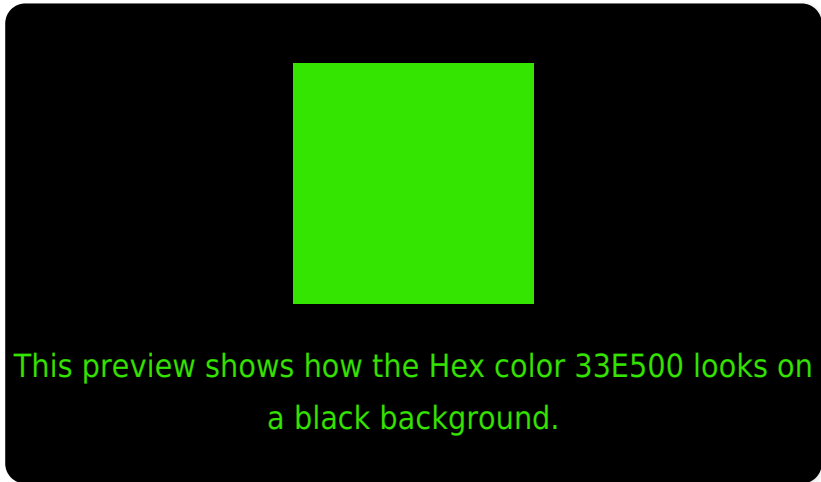
Large Text (above 18pt) WCAG AA × Fail

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

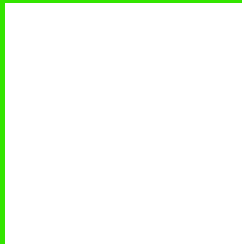
Any Text WCAG AAA ✓ Pass

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

Hex 33E500 Background



This preview shows how black text looks on a background with the Hex color 33E500.

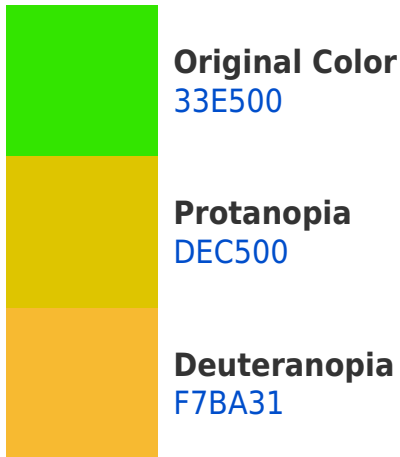


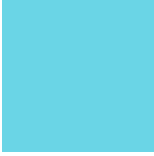
This preview shows how white text looks on a background with the Hex color 33E500.

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](#).

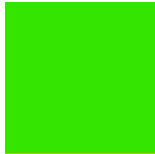
Dichromacy





Tritanopia
6AD5E6

Trichromacy



Original Color
33E500



Protanomaly
A0D100

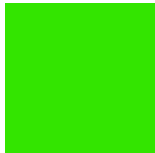


Deuteranomaly
B0CA1F



Tritanomaly
56DB92

Monochromacy



Original Color
33E500



Achromatopsia
969696



Achromatomaly
72B35F

CSS Examples

Text

The CSS property to change the color of the text to Hex 33E500 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 #33E500 looks like.

```
.text, #text, p{  
    color:#33E500  
}
```

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 #33E500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33E500
}
```

Border

The CSS property to change the border of an element to Hex 33E500 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
#33E500 }
```

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

```
.border{ border-color:#33E500 }
```

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

Here you see how a box with a 4 pixel #33E500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33E500; -webkit-box-shadow:4px 4px  
4px 4px #33E500; box-shadow:4px 4px 4px  
4px #33E500 }
```

Background

The CSS property to change the background color of an element to Hex 33E500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33E500 }
```

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

```
.background{ background-color:#33E500 }
```

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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