

Converting Colors

Hex(33E933)

Have a look what the booklet for
Hex(33E933) contains.

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Color

Hex(33E933)

Conversions

Conversions Part 1

Format	Color
Hex	33E933
RGB	51, 233, 51
RGB Percent	20%, 91%, 20%
CMY	0.8000, 0.0863, 0.8000
CMYK	0.78, 0.00, 0.78, 0.09
HSL	120°, 81%, 56%
HSV	120°, 78%, 91%
XYZ	31.1017, 59.2207, 12.9235
YIQ	157.8340, -50.0500, -95.1860

Conversions

Conversions Part 2

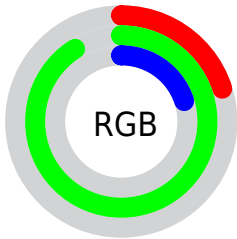
Format	Color
RYB	51, 233, 233
Decimal	3402035
CIELab	81.41, -75.33, 69.66
CIELCh	81, 102.607, 137.239
Yxy	59.2207, 0.3012, 0.5736
Android (android.graphics.Color)	4281592115 (0xFF33E933)
YUV	157.8340, -52.6692, -93.6934
Hunter-Lab	76.9550, -62.5296, 43.9116

Details

The Hex color **33E933** 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 **E933E9**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **80FF6F**, and **00B000** is the 20% darker color. If you saturate the color by 10%, you get **1CE91C**, and if you desaturate by 10%, it is **4AE94A**.

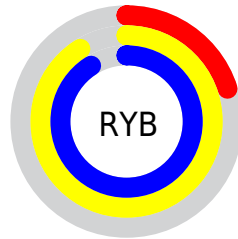
Distribution



Red (20%)

Green (91%)

Blue (20%)



Red (20%)

Yellow (91%)

Blue (91%)

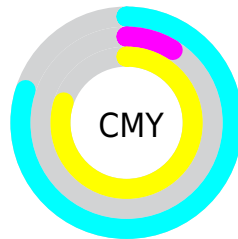


Cyan (78%)

Magenta (0%)

Yellow (78%)

Black (9%)



Cyan (80%)

Magenta (9%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33E933 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 33E933 by changing the saturation by 10% instead.

 33E933

 33E933


FFFFFF

 00CC03

 80FF6F

 00B000

 A1FF8C

 009400

 C1FFA8

 007900

 E0FFC5

 005E00

 FFFF E2

 004500

 002C00

 000A00

 000000

 33E933

 33E933

 1CE91C

 4AE94A

 04E904

 62E962

 00E900

 79E979

 90E990

 A8E9A8

 BFE9BF

 D6E9D6

 EDE9ED

 FFE9FF

Harmonies

Analogous

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



BFD700



33E933



00F29C

Triad

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



33E933



00E2FF



FF5A98

Complementary

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



33E933



E933E9

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.



FF5FF8



33E933



47C3FF

Square

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



33E933



00F1FF



FF93FF



FF893B

Rectangle

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



33E933



00F4E0



FF93FF



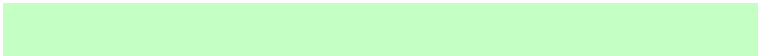
FF53B7

Sweetspot

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



33E933



C4FFC4



E9E933



5C805C



000000



808080

Same Dimension

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



33E933



0FFF0F



33E98E



6A756A



00B500



003600

Inverse Universe

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



E933E9



FF0FFF



E9338E



756A75



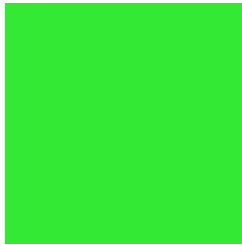
B500B5



360036

Previews

White Background



This preview shows how the Hex color 33E933 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

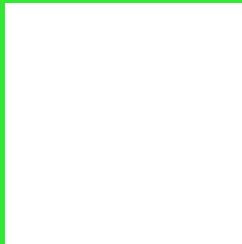
Any Text WCAG AAA ✓ Pass

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

Hex 33E933 Background



This preview shows how black text looks on a background with the Hex color 33E933.

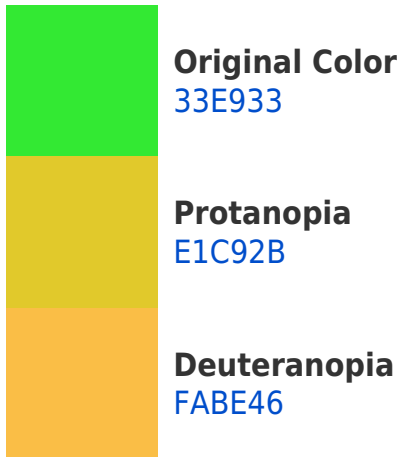


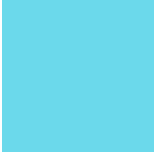
This preview shows how white text looks on a background with the Hex color 33E933.

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](#).

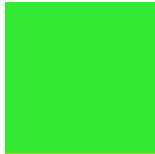
Dichromacy





Tritanopia
6BD9EB

Trichromacy



Original Color
33E933



Protanomaly
A2D52E

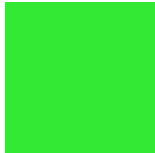


Deuteranomaly
B2CE3F



Tritanomaly
57DFA8

Monochromacy



Original Color
33E933



Achromatopsia
9E9E9E



Achromatomaly
77B977

CSS Examples

Text

The CSS property to change the color of the text to Hex 33E933 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 #33E933 looks like.

```
.text, #text, p{  
    color:#33E933  
}
```

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 #33E933 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33E933
}
```

Border

The CSS property to change the border of an element to Hex 33E933 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
#33E933 }
```

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

```
.border{ border-color:#33E933 }
```

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

Here you see how a box with a 4 pixel #33E933 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33E933; -webkit-box-shadow:4px 4px  
4px 4px #33E933; box-shadow:4px 4px 4px  
4px #33E933 }
```

Background

The CSS property to change the background color of an element to Hex 33E933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33E933 }
```

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

```
.background{ background-color:#33E933 }
```

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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