

Converting Colors

Hex(33AE1E)

Have a look what the booklet for
Hex(33AE1E) contains.

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Color

Hex(33AE1E)

Conversions

Conversions Part 1

Format	Color
Hex	33AE1E
RGB	51, 174, 30
RGB Percent	20%, 68%, 12%
CMY	0.8000, 0.3176, 0.8824
CMYK	0.71, 0.00, 0.83, 0.32
HSL	111°, 71%, 40%
HSV	111°, 83%, 68%
XYZ	16.7356, 31.0696, 6.3433
YIQ	120.8070, -27.0840, -70.8600

Conversions

Conversions Part 2

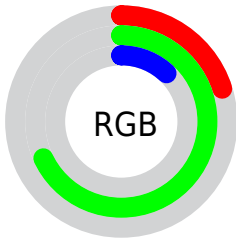
Format	Color
RYB	30, 174, 153
Decimal	3386910
CIELab	62.57, -58.40, 57.93
CIELCh	63, 82.259, 135.234
Yxy	31.0696, 0.3091, 0.5738
Android (android.graphics.Color)	4281576990 (0xFF33AE1E)
YUV	120.8070, -44.7679, -61.2207
Hunter-Lab	55.7402, -43.9518, 32.2709

Details

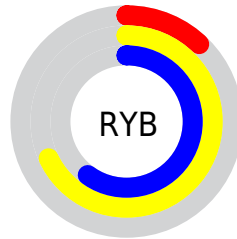
The Hex color **33AE1E** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **991EAE**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **74E758**, and **007800** is the 20% darker color. If you saturate the color by 10%, you get **24AE0D**, and if you desaturate by 10%, it is **42AE2F**.

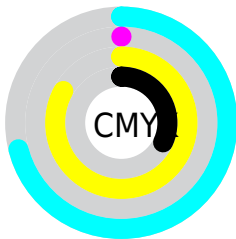
Distribution



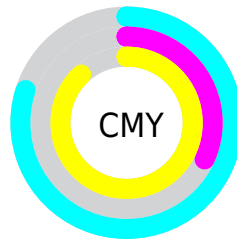
- Red (20%)
- Green (68%)
- Blue (12%)



- Red (12%)
- Yellow (68%)
- Blue (60%)



- Cyan (71%)
- Magenta (0%)
- Yellow (83%)
- Black (32%)



- Cyan (80%)
- Magenta (32%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33AE1E 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 33AE1E by changing the saturation by 10% instead.

 33AE1E

 33AE1E

FFFFFF

 009300

 74E758

 007800

 92FF73

 005E00

 AFFF8F

 004500

 CDFFAB

 002F00

 EBFFC7

 001000

 FFFFE4

 000000

 33AE1E

 33AE1E

 24AE0D

 42AE2F

■ 19AE00

■ 51AE41

■ 60AE52

■ 6EAE64

■ 7DAE75

■ 8CAE86

■ 9BAE98

■ AAAEA9

■ B9AEBB

Harmonies

Analogous

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



949F00



33AE1E



00B56F

Triad

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



33AE1E



00AAFF



FF4176

Complementary

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



33AE1E



991EAE

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.



FF48BF



33AE1E



0694FF

Square

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



33AE1E



00B5FE



C770FF



FF632F

Rectangle

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



33AE1E



00B7A3



C770FF



FF3D8E

Sweetspot

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



33AE1E



B2E3AA



AE981E



557350



F2F2F2



737373

Same Dimension

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



33AE1E



23E302



1EAE50



4F574E



169600



031700

Inverse Universe

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



991EAE



C202E3



AE1E7C



554E57



810096



140017

Previews

White Background



This preview shows how the Hex color 33AE1E looks on a white background.

Color Contrast Check

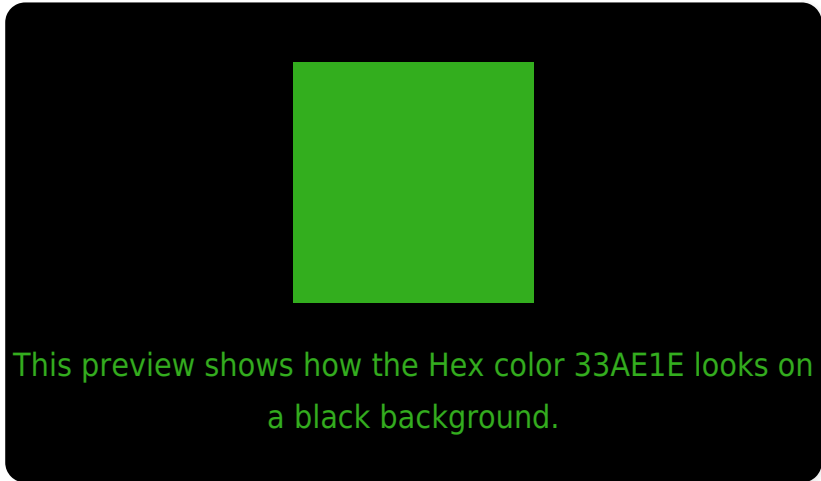
Large Text (above 18pt) WCAG AA × Fail

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 33AE1E Background



This preview shows how black text looks on a background with the Hex color 33AE1E.



This preview shows how white text looks on a background with the Hex color 33AE1E.

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](#).

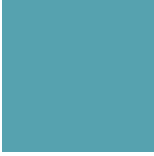
Dichromacy



Original Color
33AE1E

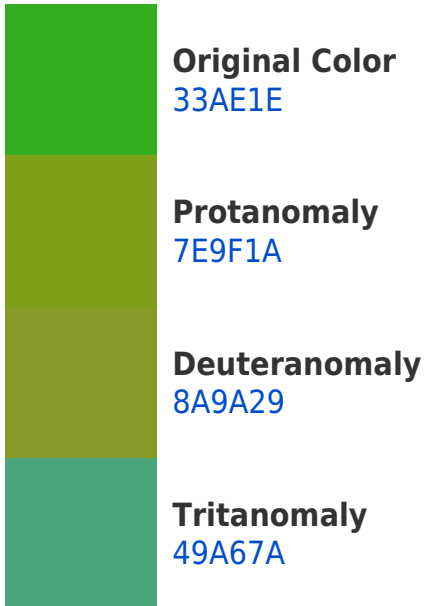
Protanopia
A99718

Deuteranopia
BC8F2F

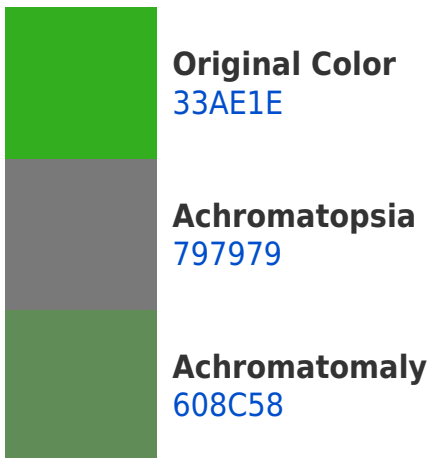


Tritanopia
56A2AF

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 33AE1E 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 #33AE1E looks like.

```
.text, #text, p{  
    color:#33AE1E  
}
```

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 #33AE1E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33AE1E
}
```

Border

The CSS property to change the border of an element to Hex 33AE1E 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
#33AE1E }
```

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

```
.border{ border-color:#33AE1E }
```

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

Here you see how a box with a 4 pixel #33AE1E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33AE1E; -webkit-box-shadow:4px 4px  
4px 4px #33AE1E; box-shadow:4px 4px 4px  
4px #33AE1E }
```

Background

The CSS property to change the background color of an element to Hex 33AE1E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33AE1E }
```

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

```
.background{ background-color:#33AE1E }
```

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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