

# Converting Colors

Hex(33A827)

Have a look what the booklet for  
Hex(33A827) contains.

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**Color**

**Hex(33A827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33A827
RGB	51, 168, 39
RGB Percent	20%, 66%, 15%
CMY	0.8000, 0.3412, 0.8471
CMYK	0.70, 0.00, 0.77, 0.34
HSL	114°, 62%, 41%
HSV	114°, 77%, 66%
XYZ	15.7341, 28.8556, 6.6599
YIQ	118.3110, -28.3230, -64.9230

# Conversions

## Conversions Part 2

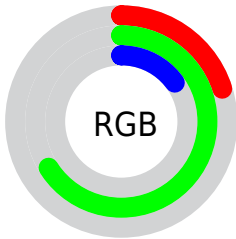
Format	Color
<b>R<sub>YB</sub></b>	39, 168, 156
Decimal	3385383
CIE Lab	60.65, -55.87, 53.36
CIE LCh	61, 77.255, 136.314
Yxy	28.8556, 0.3070, 0.5630
Android (android.graphics.Color)	4281575463 (0xFF33A827)
YUV	118.3110, -39.1003, -59.0317
Hunter-Lab	53.7174, -41.7219, 30.2514

# Details

The Hex color **33A827** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9C27A8**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **72E05E**, and **007200** is the 20% darker color. If you saturate the color by 10%, you get **24A816**, and if you desaturate by 10%, it is **42A838**.

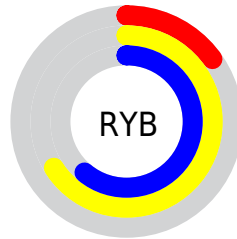
# Distribution



Red (20%)

Green (66%)

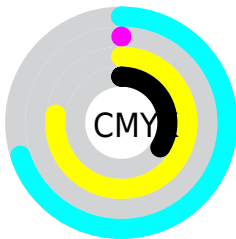
Blue (15%)



Red (15%)

Yellow (66%)

Blue (61%)

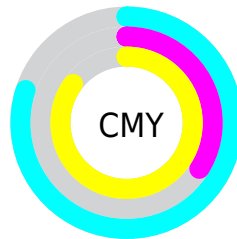


Cyan (70%)

Magenta (0%)

Yellow (77%)

Black (34%)



Cyan (80%)

Magenta (34%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33A827 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 33A827 by changing the saturation by 10% instead.





33A827



33A827

FFFFFF



008D00



72E05E



007200



90FD78



005900



ADFF94



004000



CBFFAF



002A00



E8FFCC



000400



FFFFE9



000000



33A827



33A827



24A816



42A838

 15A805

 51A849

 10A800

 61A859

 70A86A

 7FA87B

 8EA88C

 9EA89D

 ADA8AD

 BCA8BE

# Harmonies

## Analogous

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



8D9B00



33A827



00AF70

# Triad

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



33A827



00A3FF



FF4670

# Complementary

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



33A827



9C27A8

# 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.



FB4AB4



33A827



358EFF

# Square

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



33A827



00AEF4



C36DF2



F6642F

# Rectangle

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



33A827



00B09F



C36DF2



FF4287



# Sweetspot

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



33A827



AEDBA9



A89B27



526E4F



EDEDED



6E6E6E



# Same Dimension

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



33A827



24DB12



27A85B



4D544C



0E9400



021400



# Inverse Universe

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



9C27A8



C912DB



A82774



534C54



860094



130014



# Previews

## White Background



This preview shows how the Hex color 33A827 looks on a white background.

## Color Contrast Check

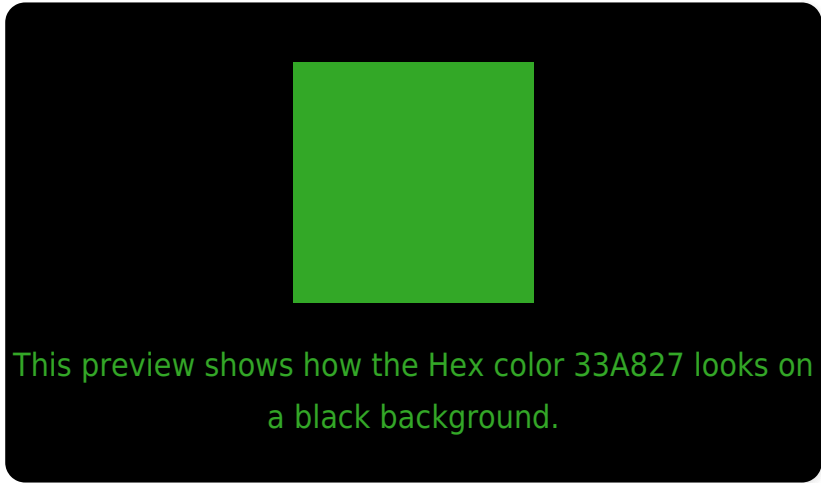
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 33A827 Background



This preview shows how black text looks on a background with the Hex color 33A827.



This preview shows how white text looks on a background with the Hex color 33A827.

# 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](#).

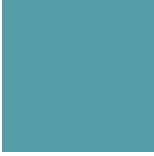
## Dichromacy



**Original Color**  
33A827

**Protanopia**  
A39221

**Deuteranopia**  
B58A34



**Tritanopia**  
549DA9

# Trichromacy



**Original Color**  
33A827



**Protanomaly**  
7A9A23



**Deuteranomaly**  
86952F



**Tritanomaly**  
48A17A

# Monochromacy



**Original Color**  
33A827



**Achromatopsia**  
767676



**Achromatomaly**  
5E8859

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33A827 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 #33A827 looks like.

```
.text, #text, p{  
    color:#33A827  
}
```

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 #33A827 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A827
}
```

## Border

The CSS property to change the border of an element to Hex 33A827 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
#33A827 }
```

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

```
.border{ border-color:#33A827 }
```

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

Here you see how a box with a 4 pixel #33A827 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33A827; -webkit-box-shadow:4px 4px  
4px 4px #33A827; box-shadow:4px 4px 4px  
4px #33A827 }
```

# Background

The CSS property to change the background color of an element to Hex 33A827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33A827 }
```

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

```
.background{ background-color:#33A827 }
```

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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