

# Converting Colors

Hex(1AAF00)

Have a look what the booklet for  
Hex(1AAF00) contains.

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# Color

Hex(1AAF00)

# Conversions

## Conversions Part 1

Format	Color
Hex	1AAF00
RGB	26, 175, 0
RGB Percent	10%, 69%, 0%
CMY	0.8980, 0.3137, 1.0000
CMYK	0.85, 0.00, 1.00, 0.31
HSL	111°, 100%, 34%
HSV	111°, 100%, 69%
XYZ	15.7560, 30.8796, 5.1299
YIQ	110.4990, -32.6290, -86.0130

# Conversions

## Conversions Part 2

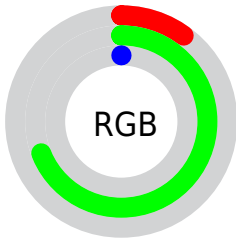
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 175, 149
Decimal	1748736
CIELab	62.41, -63.29, 62.95
CIELCh	62, 89.264, 135.155
Yxy	30.8796, 0.3044, 0.5965
Android (android.graphics.Color)	4279938816 (0xFF1AAF00)
YUV	110.4990, -54.4760, -74.1056
Hunter-Lab	55.5694, -46.6351, 33.4252

# Details

The Hex color **1AAF00** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **9500AF**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **68E84B**, and **007900** is the 20% darker color. If you saturate the color by 10%, you get **1AAF00**, and if you desaturate by 10%, it is **29AF11**.

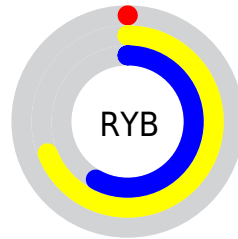
# Distribution



Red (10%)

Green (69%)

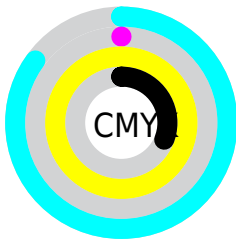
Blue (0%)



Red (0%)

Yellow (69%)

Blue (58%)

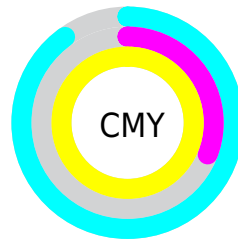


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (90%)

Magenta (31%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1AAF00 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 1AAF00 by changing the saturation by 10% instead.



 1AAF00

 1AAF00

FFFFFF

 009400

 68E84B

 007900

 87FF67

 005F00

 A5FF83

 004500

 C3FF9F

 002E00

 E2FFBB

 001000

 FFFFD8

 000000

 FFFFF5

 1AAF00

 29AF11

 38AF23

 47AF35

 56AF46

 64AF58

 73AF69

 82AF7A

 91AF8C

 A0AF9E

# Harmonies

## Analogous

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



91A000



1AAF00



00B66B

# Triad

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



1AAF00



00ACFF



FF2C73

# Complementary

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



1AAF00



9500AF

# 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.



FF38C2



1AAF00



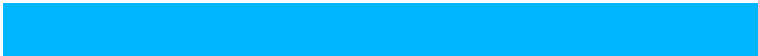
0093FF

# Square

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



1AAF00



00B6FF



CA6BFF



FF5C24

# Rectangle

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



1AAF00



00B8A3



CA6BFF



FF248D



# Sweetspot

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



1AAF00



A9E39F



AF9500



507349



F2F2F2



737373



# Same Dimension

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



1AAF00



22E300



00AF3D



4F574E



169600



031700



# Inverse Universe

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



9500AF



C100E3



AF0072



554E57



800096

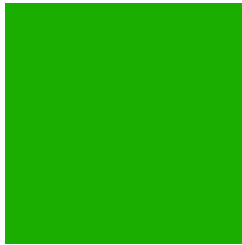


140017



# Previews

## White Background



This preview shows how the Hex color 1AAF00 looks on a white background.

## Color Contrast Check

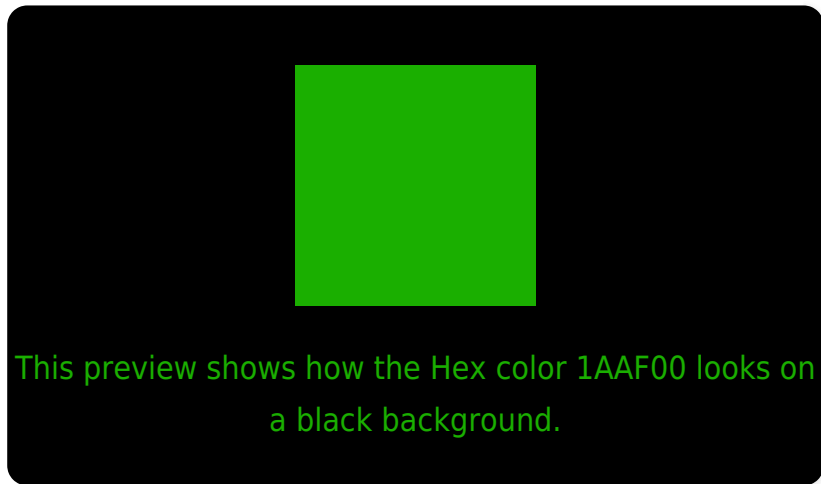
Large Text (above 18pt) WCAG AA × Fail

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 1AAF00 Background



This preview shows how black text looks on a background with the Hex color 1AAF00.



This preview shows how white text looks on a background with the Hex color 1AAF00.

# 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**  
1AAF00

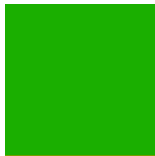
**Protanopia**  
A99600

**Deuteranopia**  
BC8E26



**Tritanopia**  
4DA3B0

# Trichromacy



**Original Color**

1AAF00



**Protanomaly**

759F00



**Deuteranomaly**

819A18



**Tritanomaly**

3AA770

# Monochromacy



**Original Color**

1AAF00



**Achromatopsia**

6E6E6E



**Achromatomaly**

4F8646

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1AAF00 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 #1AAF00 looks like.

```
.text, #text, p{  
    color:#1AAF00  
}
```

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 #1AAF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1AAF00  
}
```

## Border

The CSS property to change the border of an element to Hex 1AAF00 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".

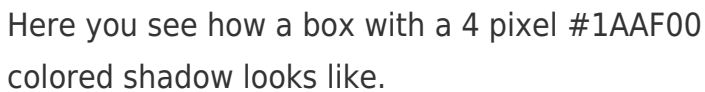
```
.border, #border, table{ border:4px solid  
#1AAF00 }
```

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

```
.border{ border-color:#1AAF00 }
```

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

Here you see how a box with a 4 pixel #1AAF00 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The shadow is visible on the right and bottom edges of the box, indicating a 4-pixel offset in both directions. The text inside the box describes the shadow's appearance.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1AAF00; -webkit-box-shadow:4px 4px  
4px 4px #1AAF00; box-shadow:4px 4px 4px  
4px #1AAF00 }
```

# Background

The CSS property to change the background color of an element to Hex 1AAF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1AAF00 }
```

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

```
.background{ background-color:#1AAF00 }
```

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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