

# Converting Colors

Hex(00A300)

Have a look what the booklet for  
Hex(00A300) contains.

<b>Hex(00A300)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(00A300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00A300
RGB	0, 163, 0
RGB Percent	0%, 64%, 0%
CMY	1.0000, 0.3608, 1.0000
CMYK	1.00, 0.00, 1.00, 0.36
HSL	120°, 100%, 32%
HSV	120°, 100%, 64%
XYZ	13.0972, 26.1944, 4.3657
YIQ	95.6810, -44.8250, -85.2490

# Conversions

## Conversions Part 2

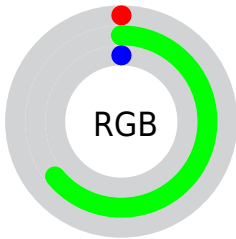
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 163, 163
Decimal	41728
CIELab	58.22, -61.66, 59.51
CIELCh	58, 85.698, 136.016
Yxy	26.1944, 0.3000, 0.6000
Android (android.graphics.Color)	4278231808 (0xFF00A300)
YUV	95.6810, -47.1707, -83.9122
Hunter-Lab	51.1805, -43.8872, 30.7688

# Details

The Hex color **00A300** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A300A3**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **5DDB48**, and **006D00** is the 20% darker color. If you saturate the color by 10%, you get **00A300**, and if you desaturate by 10%, it is **10A310**.

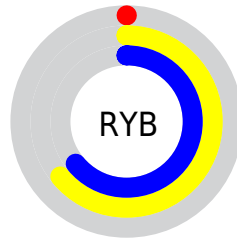
# Distribution



Red (0%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (64%)

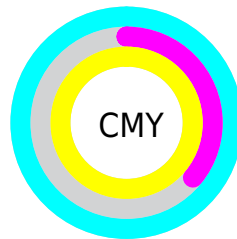


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (100%)

Magenta (36%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A300 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 00A300 by changing the saturation by 10% instead.



 00A300

 00A300

FFFFFF

 008800

 5DDB48

 006D00

 7CF864

 005400

 9AFF7F

 003B00

 B8FF9B

 002300

 D7FFB7

 000000

 F5FFD4

 FFFFF1

 00A300

 10A310

 21A321

 31A331

 41A341

 52A352

 62A362

 72A372

 82A382

 93A393

# Harmonies

## Analogous

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



849500



00A300



00AA65

# Triad

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



00A300



009FFF



FF2568

# Complementary

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



00A300



A300A3

# 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.



FE2EB2



00A300



0088FF

# Square

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



00A300



00AAF8



BF61F6



F6551C

# Rectangle

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



00A300



00AC9A



BF61F6



FF1B80



# Sweetspot

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



00A300



94D494



A3A300



456B45



EBEBEB



6B6B6B



# Same Dimension

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



00A300



00D400



00A352



495249



009100



001200



# Inverse Universe

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



A300A3



D400D4



A30052



524952



910091

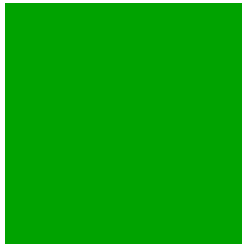


120012



# Previews

## White Background



This preview shows how the Hex color 00A300 looks on a white background.

## Color Contrast Check

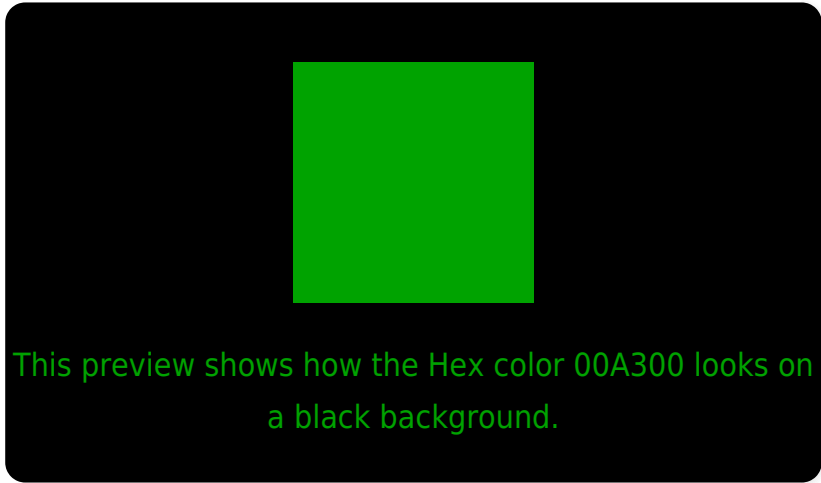
Large Text (above 18pt) WCAG AA ✓ Pass

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 00A300 Background



This preview shows how black text looks on a background with the Hex color 00A300.

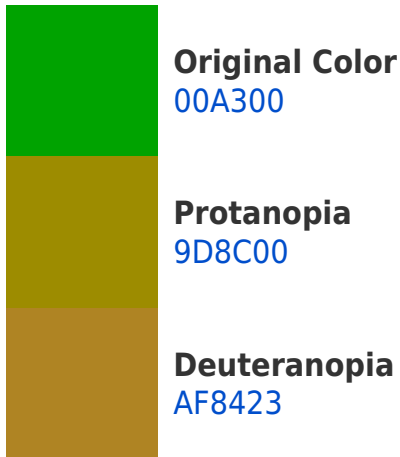


This preview shows how white text looks on a background with the Hex color 00A300.

# 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**  
4498A4

# Trichromacy



**Original Color**  
00A300



**Protanomaly**  
649400



**Deuteranomaly**  
6F8F16



**Tritanomaly**  
2B9C68

# Monochromacy



**Original Color**  
00A300



**Achromatopsia**  
606060



**Achromatomaly**  
3D783D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A300 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 #00A300 looks like.

```
.text, #text, p{  
    color:#00A300  
}
```

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 #00A300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A300
}
```

## Border

The CSS property to change the border of an element to Hex 00A300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

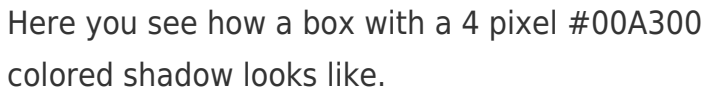
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00A300 }
```

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

```
.border{ border-color:#00A300 }
```

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



Here you see how a box with a 4 pixel #00A300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A300; -webkit-box-shadow:4px 4px  
4px 4px #00A300; box-shadow:4px 4px 4px  
4px #00A300 }
```

# Background

The CSS property to change the background color of an element to Hex 00A300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A300 }
```

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

```
.background{ background-color:#00A300 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor