

# Converting Colors

Hex(00AA3B)

Have a look what the booklet for  
Hex(00AA3B) contains.

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**Color**

**Hex(00AA3B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AA3B
RGB	0, 170, 59
RGB Percent	0%, 67%, 23%
CMY	1.0000, 0.3333, 0.7686
CMYK	1.00, 0.00, 0.65, 0.33
HSL	141°, 100%, 33%
HSV	141°, 100%, 67%
XYZ	15.1641, 29.0652, 8.9486
YIQ	106.5160, -65.6890, -70.5610

# Conversions

## Conversions Part 2

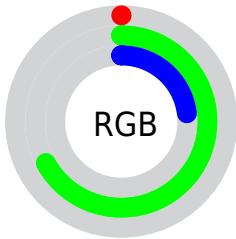
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 126, 170
Decimal	43579
CIELab	60.84, -60.02, 45.53
CIELCh	61, 75.333, 142.819
Yxy	29.0652, 0.2852, 0.5466
Android (android.graphics.Color)	4278233659 (0xFF00AA3B)
YUV	106.5160, -23.4254, -93.4145
Hunter-Lab	53.9122, -44.1387, 27.8973

# Details

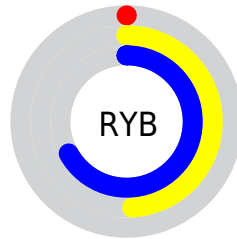
The Hex color **00AA3B** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA006F**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **5DE36F**, and **007400** is the 20% darker color. If you saturate the color by 10%, you get **00AA3B**, and if you desaturate by 10%, it is **11AA46**.

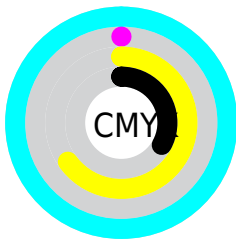
# Distribution



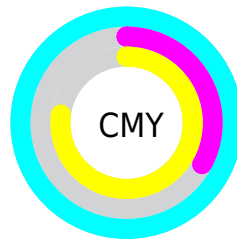
- Red (0%)
- Green (67%)
- Blue (23%)



- Red (0%)
- Yellow (49%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AA3B 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 00AA3B by changing the saturation by 10% instead.



 00AA3B

 00AA3B

FFFFFF

 008F20

 5DE36F

 007400

 7CFF89

 005A00

 9AFFA5

 004100

 B8FFC0

 002A00


 D6FFDD

 000600

 F4FFFA

 000000

 00AA3B

 11AA46

 22AA51

 33AA5C

 44AA67

 55AA73

 66AA7E

 77AA89

 88AA94

 99AA9F

# Harmonies

## Analogous

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



809E00



00AA3B



00B080

# Triad

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



00AA3B



00A0FF



FF4F64

# Complementary

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



00AA3B



AA006F

# 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.



FF4AA6



00AA3B



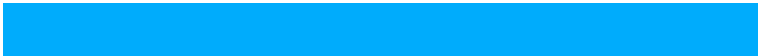
6B88FF

# Square

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



00AA3B



00ACFC



D267E4



ED6D25

# Rectangle

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



00AA3B



00B1AE



D267E4



FF4979



# Sweetspot

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



00AA3B



9BDEB2



71AA00



487056



F0F0F0



707070



# Same Dimension

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



00AA3B



00DE4D



00AA8E



4C544F



009433



001407



# Inverse Universe

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



AA006F



DE0091



AA001C



544C51



940061



14000D



# Previews

## White Background



This preview shows how the Hex color 00AA3B looks on a white background.

## Color Contrast Check

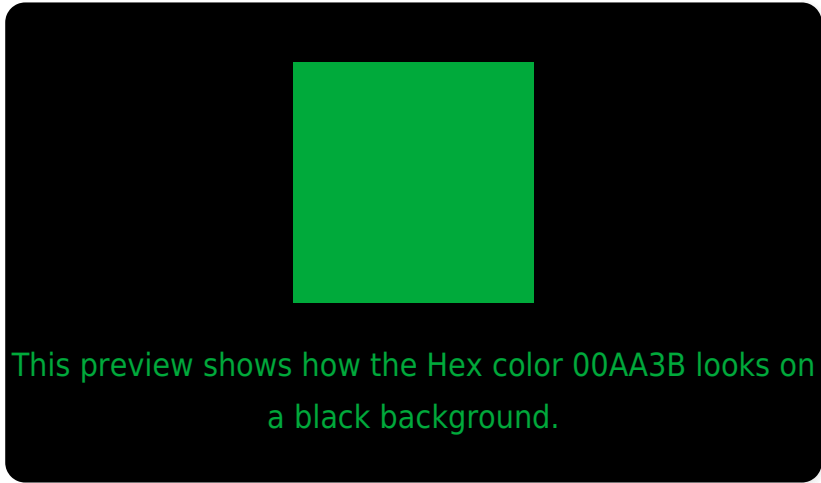
Large Text (above 18pt) WCAG AA ✓ Pass

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 00AA3B Background



This preview shows how black text looks on a background with the Hex color 00AA3B.



This preview shows how white text looks on a background with the Hex color 00AA3B.

# 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





# Trichromacy



**Original Color**  
00AA3B



**Protanomaly**  
689B37



**Deuteranomaly**  
739641



**Tritanomaly**  
2CA383

# Monochromacy



**Original Color**  
00AA3B



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
44825A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AA3B 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 #00AA3B looks like.

```
.text, #text, p{  
    color:#00AA3B  
}
```

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 #00AA3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AA3B
}
```

## Border

The CSS property to change the border of an element to Hex 00AA3B 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
#00AA3B }
```

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

```
.border{ border-color:#00AA3B }
```

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

Here you see how a box with a 4 pixel #00AA3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AA3B; -webkit-box-shadow:4px 4px  
4px 4px #00AA3B; box-shadow:4px 4px 4px  
4px #00AA3B }
```

# Background

The CSS property to change the background color of an element to Hex 00AA3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AA3B }
```

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

```
.background{ background-color:#00AA3B }
```

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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