

# Converting Colors

Hex(00A231)

Have a look what the booklet for  
Hex(00A231) contains.

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**Color**

**Hex(00A231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A231
RGB	0, 162, 49
RGB Percent	0%, 64%, 19%
CMY	1.0000, 0.3647, 0.8078
CMYK	1.00, 0.00, 0.70, 0.36
HSL	138°, 100%, 32%
HSV	138°, 100%, 64%
XYZ	13.4747, 26.0624, 7.2261
YIQ	100.6800, -60.2790, -69.4870

# Conversions

## Conversions Part 2

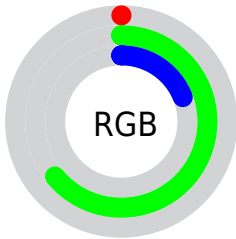
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 124, 162
Decimal	41521
CIELab	58.10, -58.67, 46.78
CIELCh	58, 75.033, 141.433
Yxy	26.0624, 0.2881, 0.5573
Android (android.graphics.Color)	4278231601 (0xFF00A231)
YUV	100.6800, -25.4782, -88.2964
Hunter-Lab	51.0514, -42.2258, 27.3437

# Details

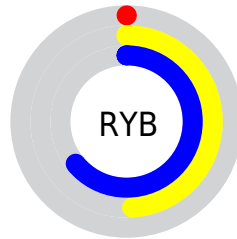
The Hex color **00A231** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A20071**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **5BDA65**, and **006D00** is the 20% darker color. If you saturate the color by 10%, you get **00A231**, and if you desaturate by 10%, it is **10A23C**.

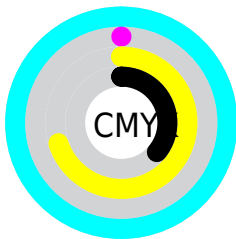
# Distribution



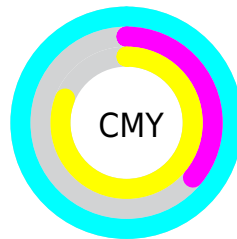
- Red (0%)
- Green (64%)
- Blue (19%)



- Red (0%)
- Yellow (49%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A231 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 00A231 by changing the saturation by 10% instead.



 00A231

 00A231

FFFFFF

 008714

 5BDA65

 006D00

 79F77F

 005300

 97FF9A

 003B00

 B5FFB6

 002300

 D3FFD2

 000000

 F1FFE F

 00A231

 10A23C

 20A248

 31A253

 41A25E

 51A26A

 61A275

 71A280

 82A28B

 92A297

# Harmonies

## Analogous

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



7B9600



00A231



00A876

# Triad

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



00A231



0099FF



FD4560

# Complementary

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



00A231



A20071

# 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.



F642A1



00A231



5B83FF

# Square

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



00A231



00A5F2



C762DF



E56521

# Rectangle

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



00A231



00A9A4



C762DF



FF3F75



# Sweetspot

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



00A231



94D4A7



71A200



456B50



EBEBEB



6B6B6B



# Same Dimension

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



00A231



00D440



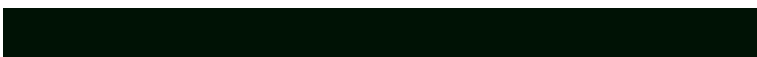
00A282



49524C



00912C



001205



# Inverse Universe

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



A20071



D40094



A20020



52494F



910065



12000C



# Previews

## White Background



This preview shows how the Hex color 00A231 looks on a white background.

## Color Contrast Check

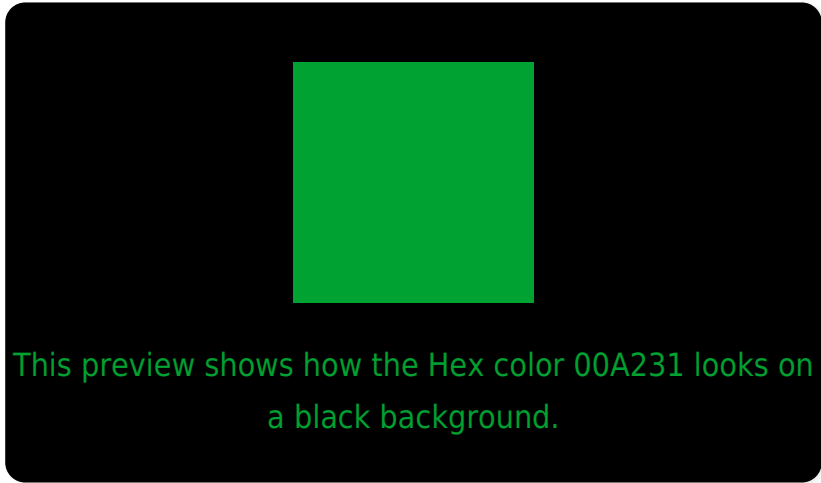
Large Text (above 18pt) WCAG AA ✓ Pass

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 00A231 Background



This preview shows how black text looks on a background with the Hex color 00A231.



This preview shows how white text looks on a background with the Hex color 00A231.

# 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**  
00A231

**Protanopia**  
9B8B2B

**Deuteranopia**  
AC843B



**Tritanopia**  
4297A4

# Trichromacy



**Original Color**  
00A231



**Protanomaly**  
63932D



**Deuteranomaly**  
6D8F37



**Tritanomaly**  
2A9B7A

# Monochromacy



**Original Color**  
00A231



**Achromatopsia**  
656565



**Achromatomaly**  
407B52

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A231 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 #00A231 looks like.

```
.text, #text, p{  
    color:#00A231  
}
```

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 #00A231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A231
}
```

## Border

The CSS property to change the border of an element to Hex 00A231 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
#00A231 }
```

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

```
.border{ border-color:#00A231 }
```

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

Here you see how a box with a 4 pixel #00A231 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A231; -webkit-box-shadow:4px 4px  
4px 4px #00A231; box-shadow:4px 4px 4px  
4px #00A231 }
```

# Background

The CSS property to change the background color of an element to Hex 00A231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A231 }
```

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

```
.background{ background-color:#00A231 }
```

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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