

Converting Colors

Hex(2AA801)

Have a look what the booklet for
Hex(2AA801) contains.

Hex(2AA801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2AA801)

Conversions

Conversions Part 1

Format	Color
Hex	2AA801
RGB	42, 168, 1
RGB Percent	16%, 66%, 0%
CMY	0.8353, 0.3412, 0.9961
CMYK	0.75, 0.00, 0.99, 0.34
HSL	105°, 99%, 33%
HSV	105°, 99%, 66%
XYZ	14.9630, 28.4997, 4.7411
YIQ	111.2880, -21.4890, -78.6490

Conversions

Conversions Part 2

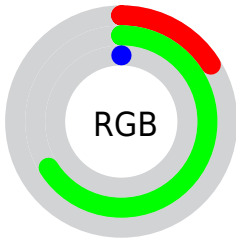
Format	Color
R_{YB}	1, 168, 127
Decimal	2795521
CIE Lab	60.34, -59.06, 61.25
CIE LCh	60, 85.091, 133.956
Yxy	28.4997, 0.3104, 0.5912
Android (android.graphics.Color)	4280985601 (0xFF2AA801)
YUV	111.2880, -54.3720, -60.7656
Hunter-Lab	53.3851, -43.3934, 32.1041

Details

The Hex color **2AA801** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7F01A8**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **6EE04A**, and **007200** is the 20% darker color. If you saturate the color by 10%, you get **29A800**, and if you desaturate by 10%, it is **37A812**.

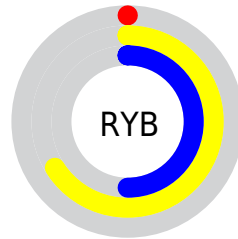
Distribution



Red (16%)

Green (66%)

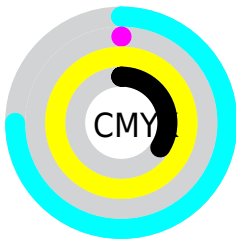
Blue (0%)



Red (0%)

Yellow (66%)

Blue (50%)

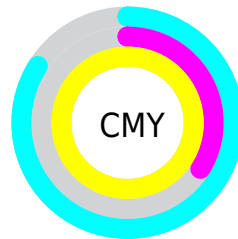


Cyan (75%)

Magenta (0%)

Yellow (99%)

Black (34%)



Cyan (84%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2AA801 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 2AA801 by changing the saturation by 10% instead.

 2AA801

 2AA801

FFFFFF

 008D00

 6EE04A

 007200

 8CFD66

 005900

 A9FF81

 004000

 C7FF9D

 002900

 E5FFB9

 000200

 FFFFD6

 000000

 FFFFF3

 2AA801

 2AA801

 29A800

 37A812

 43A823

 50A833

 5DA844

 69A855

 76A866

 83A877

 8FA887

 9CA898

Harmonies

Analogous

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



909900



2AA801



00AF65

Triad

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



2AA801



00A6FF



FF2F72

Complementary

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



2AA801



7F01A8

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.



FF3CBD



2AA801



008FFF

Square

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



2AA801



00B0F9



BE6AFF



FF5929

Rectangle

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



2AA801



00B19A



BE6AFF



FF2A8B

Sweetspot

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



2AA801



AADB9A



A87E01



506E46



EDEDED



6E6E6E

Same Dimension

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



2AA801



36DB00



01A82B



4E544C



249400



051400

Inverse Universe

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



7F01A8



A500DB



A8017E



524C54



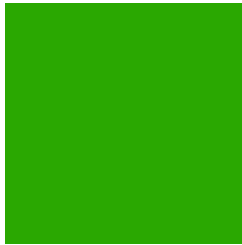
700094



0F0014

Previews

White Background



This preview shows how the Hex color 2AA801 looks on a white background.

Color Contrast Check

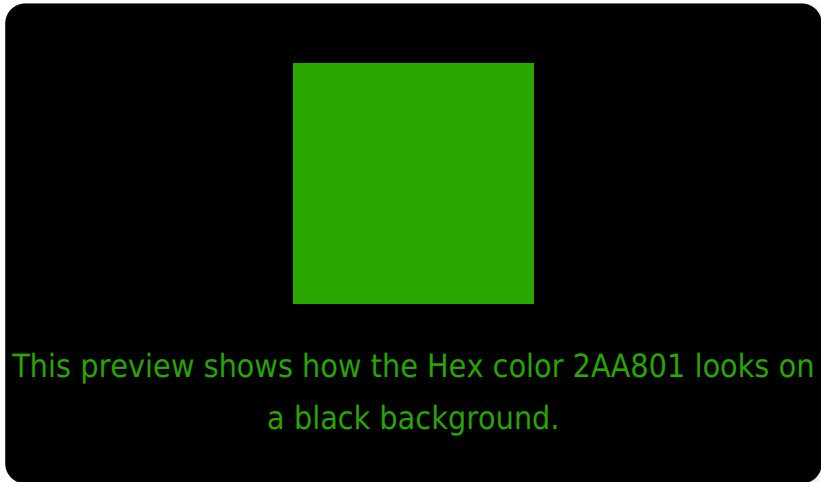
Large Text (above 18pt) WCAG AA ✓ Pass

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

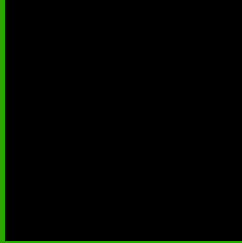
Any Text WCAG AA ✓ Pass

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 2AA801 Background



This preview shows how black text looks on a background with the Hex color 2AA801.

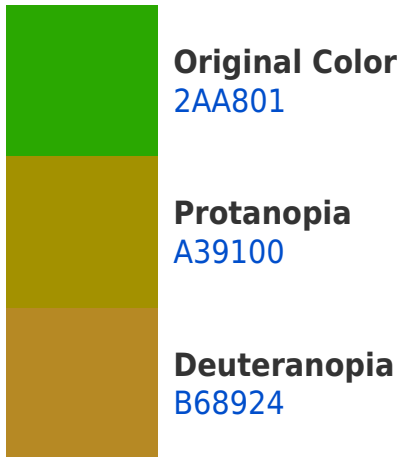


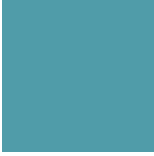
This preview shows how white text looks on a background with the Hex color 2AA801.

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
509CA9

Trichromacy



Original Color
2AA801



Protanomaly
779900



Deuteranomaly
839417



Tritanomaly
42A06C

Monochromacy



Original Color
2AA801



Achromatopsia
6F6F6F



Achromatomaly
568447

CSS Examples

Text

The CSS property to change the color of the text to Hex 2AA801 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 #2AA801 looks like.

```
.text, #text, p{  
    color:#2AA801  
}
```

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 #2AA801 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AA801
}
```

Border

The CSS property to change the border of an element to Hex 2AA801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

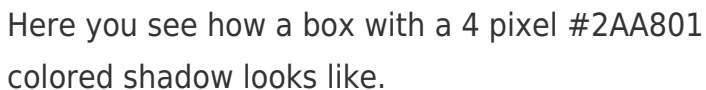
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2AA801 }
```

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

```
.border{ border-color:#2AA801 }
```

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



Here you see how a box with a 4 pixel #2AA801 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AA801; -webkit-box-shadow:4px 4px  
4px 4px #2AA801; box-shadow:4px 4px 4px  
4px #2AA801 }
```

Background

The CSS property to change the background color of an element to Hex 2AA801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AA801 }
```

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

```
.background{ background-color:#2AA801 }
```

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