

Converting Colors

Hex(2AF90A)

Have a look what the booklet for
Hex(2AF90A) contains.

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Color

Hex(2AF90A)

Conversions

Conversions Part 1

Format	Color
Hex	2AF90A
RGB	42, 249, 10
RGB Percent	16%, 98%, 4%
CMY	0.8353, 0.0235, 0.9608
CMYK	0.83, 0.00, 0.96, 0.02
HSL	112°, 95%, 51%
HSV	112°, 96%, 98%
XYZ	34.8853, 68.2655, 11.6251
YIQ	159.8610, -46.6530, -118.2130

Conversions

Conversions Part 2

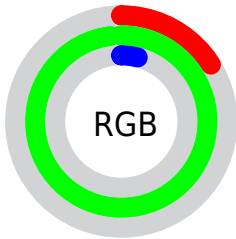
Format	Color
RYB	10, 249, 217
Decimal	2816266
CIELab	86.14, -82.26, 81.22
CIElCh	86, 115.604, 135.365
Yxy	68.2655, 0.3039, 0.5948
Android (android.graphics.Color)	4281006346 (0xFF2AF90A)
YUV	159.8610, -73.8815, -103.3641
Hunter-Lab	82.6230, -69.2233, 49.4939

Details

The Hex color **2AF90A** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **D90AF9**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **81FF5D**, and **00BF00** is the 20% darker color. If you saturate the color by 10%, you get **21F900**, and if you desaturate by 10%, it is **40F923**.

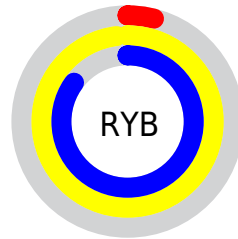
Distribution



Red (16%)

Green (98%)

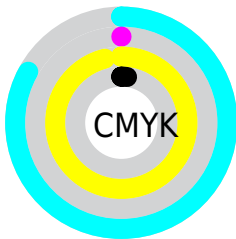
Blue (4%)



Red (4%)

Yellow (98%)

Blue (85%)

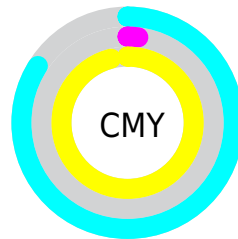


Cyan (83%)

Magenta (0%)

Yellow (96%)

Black (2%)



Cyan (84%)

Magenta (2%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2AF90A 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 2AF90A by changing the saturation by 10% instead.

 2AF90A

 2AF90A

FFFFFF

 00DC00

 81FF5D

 00BF00

 A3FF7C

 00A200

 C4FF99

 008700

 E4FFB7

 006C00

 FFFFD5

 005100

 FFFFF3

 003800

 001E00

 000000

 2AF90A

 2AF90A

 21F900

 40F923

 55F93C

 6BF955

 80F96E

 96F986

 ABF99F

 C1F9B8

 D7F9D1

 ECF9EA

Harmonies

Analogous

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



CFE400



2AF90A



00FF9C

Triad

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



2AF90A



00F4FF



FF46A5

Complementary

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



2AF90A



D90AF9

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.



FF54FF



2AF90A



00D2FF

Square

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



2AF90A



00FFFF



FF9BFF



FF8738

Rectangle

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



2AF90A



00FFE9



FF9BFF



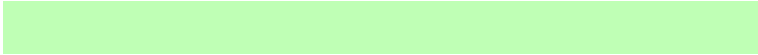
FF3BC9

Sweetspot

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



2AF90A



BFFFB5



F9D50A



598053



000000



808080

Same Dimension

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



2AF90A



22FF00



0AF95E



727D70



19BD00



083D00

Inverse Universe

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



D90AF9



DD00FF



F90AA5



7B707D



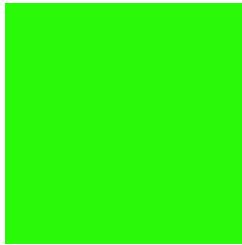
A300BD



35003D

Previews

White Background



This preview shows how the Hex color 2AF90A 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



This preview shows how the Hex color 2AF90A looks on a 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 2AF90A Background



This preview shows how black text looks on a background with the Hex color 2AF90A.

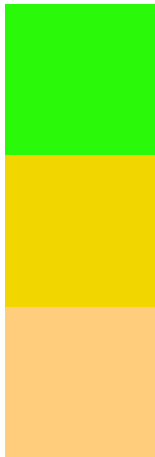


This preview shows how white text looks on a background with the Hex color 2AF90A.

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](#).

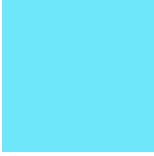
Dichromacy



Original Color
2AF90A

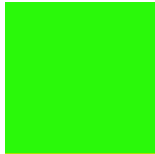
Protanopia
F1D600

Deuteranopia
FFCD7B



Tritanopia
6FE7FA

Trichromacy



Original Color
2AF90A



Protanomaly
A9E304

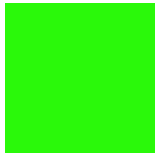


Deuteranomaly
B2DD52



Tritanomaly
56EEA3

Monochromacy



Original Color
2AF90A



Achromatopsia
A0A0A0



Achromatomaly
75C069

CSS Examples

Text

The CSS property to change the color of the text to Hex 2AF90A 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 #2AF90A looks like.

```
.text, #text, p{  
    color:#2AF90A  
}
```

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 #2AF90A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AF90A
}
```

Border

The CSS property to change the border of an element to Hex 2AF90A 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
#2AF90A }
```

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

```
.border{ border-color:#2AF90A }
```

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

Here you see how a box with a 4 pixel #2AF90A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AF90A; -webkit-box-shadow:4px 4px  
4px 4px #2AF90A; box-shadow:4px 4px 4px  
4px #2AF90A }
```

Background

The CSS property to change the background color of an element to Hex 2AF90A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AF90A }
```

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

```
.background{ background-color:#2AF90A }
```

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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