

# Converting Colors

Hex(49A21A)

Have a look what the booklet for  
Hex(49A21A) contains.

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# Color

Hex(49A21A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	49A21A
RGB	73, 162, 26
RGB Percent	29%, 64%, 10%
CMY	0.7137, 0.3647, 0.8980
CMYK	0.55, 0.00, 0.84, 0.36
HSL	99°, 72%, 37%
HSV	99°, 84%, 64%
XYZ	15.8544, 27.3317, 5.4172
YIQ	119.8850, -9.3880, -61.1640

# Conversions

## Conversions Part 2

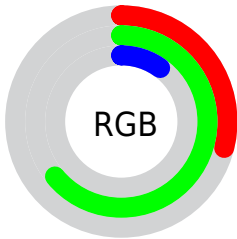
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 162, 115
Decimal	4825626
CIE <sub>Lab</sub>	59.28, -49.25, 56.23
CIE <sub>LCh</sub>	59, 74.749, 131.209
Yxy	27.3317, 0.3262, 0.5623
Android (android.graphics.Color)	4283015706 (0xFF49A21A)
YUV	119.8850, -46.2853, -41.1181
Hunter-Lab	52.2797, -37.3573, 30.4522

# Details

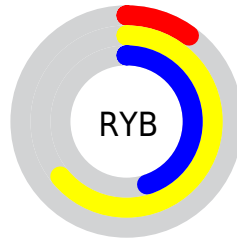
The Hex color **49A21A** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **731AA2**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **83DA54**, and **006D00** is the 20% darker color. If you saturate the color by 10%, you get **3EA20A**, and if you desaturate by 10%, it is **54A22A**.

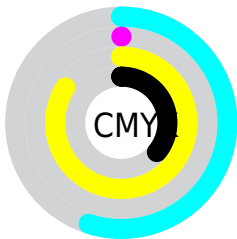
# Distribution



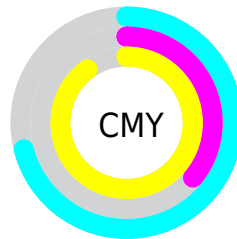
- Red (29%)
- Green (64%)
- Blue (10%)



- Red (10%)
- Yellow (64%)
- Blue (45%)



- Cyan (55%)
- Magenta (0%)
- Yellow (84%)
- Black (36%)



- Cyan (71%)
- Magenta (36%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49A21A 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 49A21A by changing the saturation by 10% instead.





49A21A



49A21A

FFFFFF



298700



83DA54



006D00



9FF66F



005400



BCFF8A



003C00



DAFFA6



002600



F8FFC2



000000



FFFFDF



FFFFFC



49A21A



49A21A

■ 3EA20A

■ 54A22A

■ 38A200

■ 5EA23A

■ 69A24B

■ 73A25B

■ 7EA26B

■ 89A27B

■ 93A28B

■ 9EA29C

■ A8A2AC

# Harmonies

## Analogous

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



959400



49A21A



00A962

# Triad

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



49A21A



00A1FF



FF4479

# Complementary

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



49A21A



731AA2

# 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.



EE4FBB



49A21A



008FFF

# Square

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



49A21A



00AAE4



AF71F3



F45D3A

# Rectangle

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



49A21A



00AC90



AF71F3



FF438F



# Sweetspot

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



49A21A



B1D49F



A2721A



566B4B



EBEBEB



6B6B6B



# Same Dimension

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



49A21A



49D400



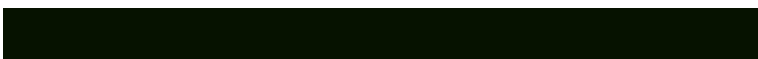
1AA22E



4C5249



329100



061200



# Inverse Universe

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



731AA2



8B00D4



A21A8E



4F4952



5F0091



0C0012



# Previews

## White Background



This preview shows how the Hex color 49A21A looks on a white background.

## Color Contrast Check

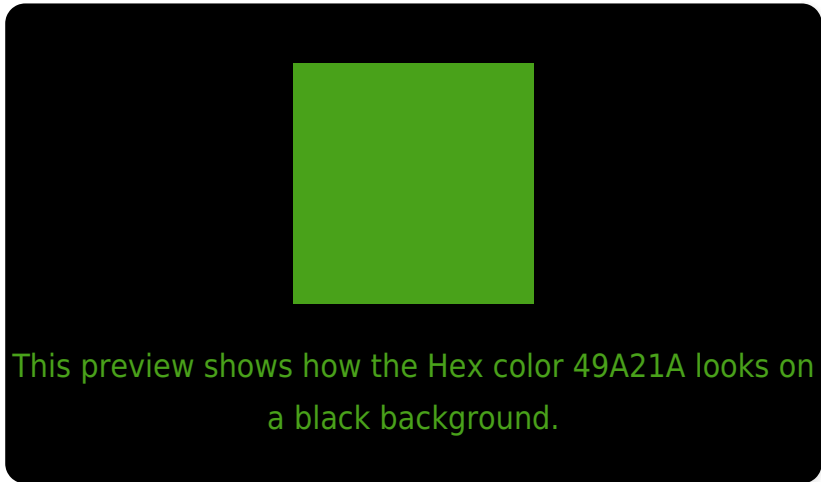
Large Text (above 18pt) WCAG AA ✓ Pass

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

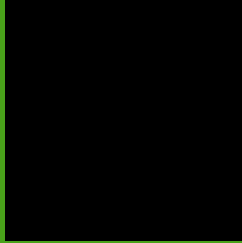
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 49A21A Background



This preview shows how black text looks on a background with the Hex color 49A21A.



This preview shows how white text looks on a background with the Hex color 49A21A.

# 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**  
49A21A

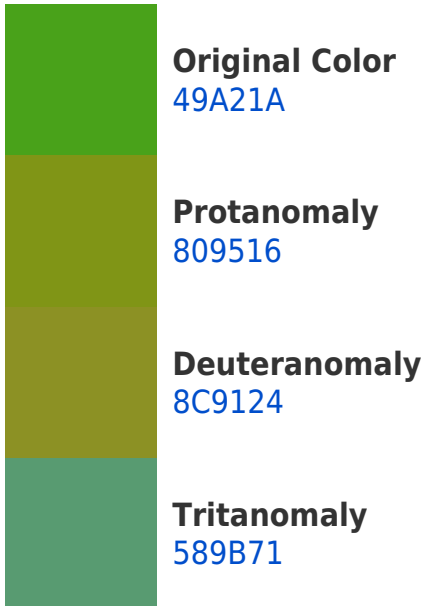
**Protanopia**  
A08E14

**Deuteranopia**  
B28729

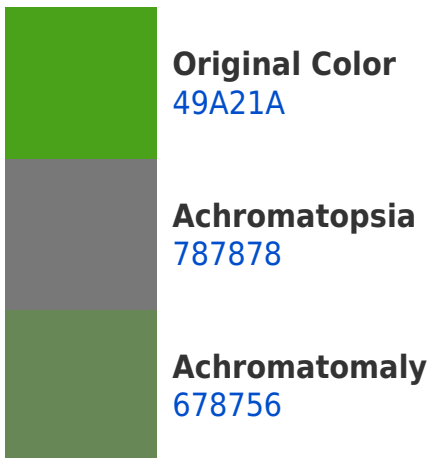


**Tritanopia**  
6097A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49A21A 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 #49A21A looks like.

```
.text, #text, p{  
    color:#49A21A  
}
```

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 #49A21A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49A21A
}
```

## Border

The CSS property to change the border of an element to Hex 49A21A 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
#49A21A }
```

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

```
.border{ border-color:#49A21A }
```

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

Here you see how a box with a 4 pixel #49A21A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49A21A; -webkit-box-shadow:4px 4px  
4px 4px #49A21A; box-shadow:4px 4px 4px  
4px #49A21A }
```

# Background

The CSS property to change the background color of an element to Hex 49A21A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49A21A }
```

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

```
.background{ background-color:#49A21A }
```

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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