

# Converting Colors

Hex(49D321)

Have a look what the booklet for  
Hex(49D321) contains.

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**Color**

**Hex(49D321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49D321
RGB	73, 211, 33
RGB Percent	29%, 83%, 13%
CMY	0.7137, 0.1725, 0.8706
CMYK	0.65, 0.00, 0.84, 0.17
HSL	107°, 73%, 48%
HSV	107°, 84%, 83%
XYZ	26.3164, 48.1148, 9.3389
YIQ	149.4460, -25.1100, -84.6140

# Conversions

## Conversions Part 2

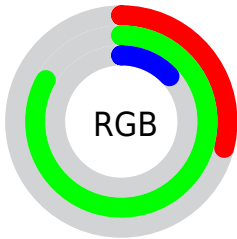
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 211, 171
Decimal	4838177
CIELab	74.90, -65.91, 68.52
CIELCh	75, 95.074, 133.890
Yxy	48.1148, 0.3142, 0.5744
Android (android.graphics.Color)	4283028257 (0xFF49D321)
YUV	149.4460, -57.4079, -67.0431
Hunter-Lab	69.3648, -53.6671, 40.5729

# Details

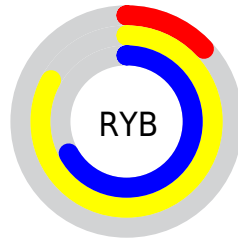
The Hex color **49D321** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **AB21D3**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **8AFF60**, and **009B00** is the 20% darker color. If you saturate the color by 10%, you get **39D30C**, and if you desaturate by 10%, it is **59D336**.

# Distribution



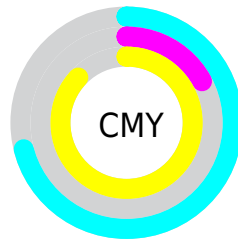
- Red (29%)
- Green (83%)
- Blue (13%)



- Red (13%)
- Yellow (83%)
- Blue (67%)



- Cyan (65%)
- Magenta (0%)
- Yellow (84%)
- Black (17%)



- Cyan (71%)
- Magenta (17%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49D321 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 49D321 by changing the saturation by 10% instead.



 49D321

 49D321

FFFFFF

 1CB700

 8AFF60

 009B00

 A9FF7C

 008000

 C8FF99

 006600

 E7FFB5

 004C00

 FFFFD3

 003500

 FFFFF0

 001A00

 000000

 49D321

 49D321

 39D30C

 59D336

 2FD300

 6AD34B

 7AD360

 8AD375

 9BD38B

 ABD3A0

 BCD3B5

 CCD3CA

 DCD3DF

# Harmonies

## Analogous

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



B8C100



49D321



00DC84

# Triad

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



49D321



00D0FF



FF5094

# Complementary

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



49D321



AB21D3

# 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.



FF5CEB



49D321



00B5FF

# Square

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



49D321



00DCFF



ED8CFF



FF7840

# Rectangle

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



49D321



00DEC2



ED8CFF



FF4CB1

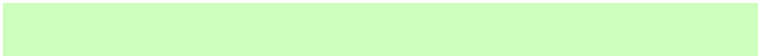


# Sweetspot

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



49D321



CEFFBF



D3A921



628059



000000



808080



# Same Dimension

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



49D321



39FF00



21D350



60695E



26A800



092900



# Inverse Universe

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



AB21D3



C600FF



D321A4



665E69



8200A8

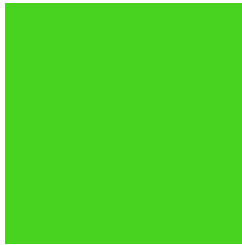


200029



# Previews

## White Background



This preview shows how the Hex color 49D321 looks on a white background.

## Color Contrast Check

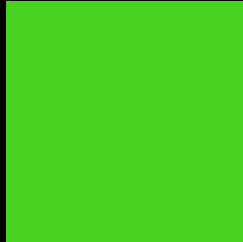
Large Text (above 18pt) WCAG AA × Fail

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 49D321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

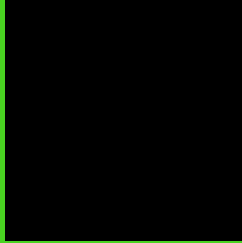
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49D321 Background



This preview shows how black text looks on a background with the Hex color 49D321.

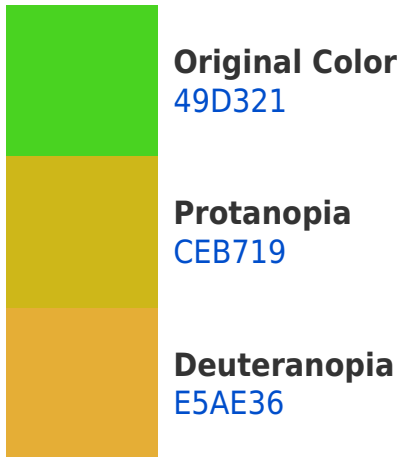


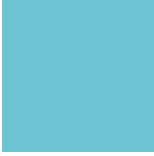
This preview shows how white text looks on a background with the Hex color 49D321.

# 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](#).

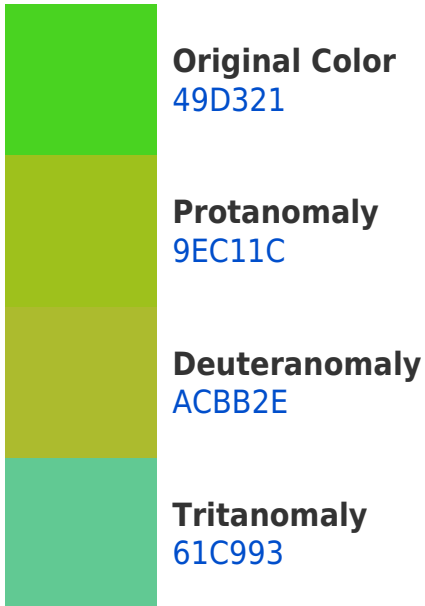
## Dichromacy



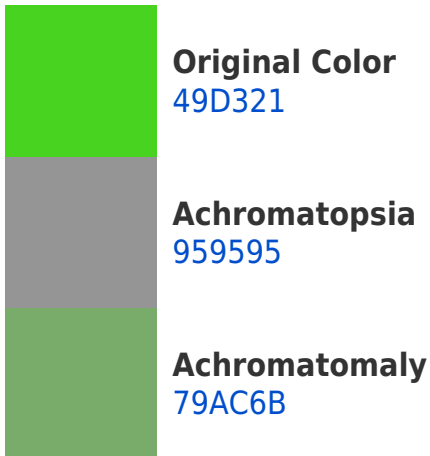


**Tritanopia**  
6FC4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49D321 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 #49D321 looks like.

```
.text, #text, p{  
    color:#49D321  
}
```

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 #49D321 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49D321
}
```

## Border

The CSS property to change the border of an element to Hex 49D321 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
#49D321 }
```

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

```
.border{ border-color:#49D321 }
```

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

Here you see how a box with a 4 pixel #49D321 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49D321; -webkit-box-shadow:4px 4px  
4px 4px #49D321; box-shadow:4px 4px 4px  
4px #49D321 }
```

# Background

The CSS property to change the background color of an element to Hex 49D321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49D321 }
```

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

```
.background{ background-color:#49D321 }
```

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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