

# Converting Colors

Hex(49B24C)

Have a look what the booklet for  
Hex(49B24C) contains.

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**Color**

**Hex(49B24C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49B24C
RGB	73, 178, 76
RGB Percent	29%, 70%, 30%
CMY	0.7137, 0.3020, 0.7020
CMYK	0.59, 0.00, 0.57, 0.30
HSL	122°, 42%, 49%
HSV	122°, 59%, 70%
XYZ	19.9726, 33.7791, 12.3048
YIQ	134.9770, -29.8380, -53.9820

# Conversions

## Conversions Part 2

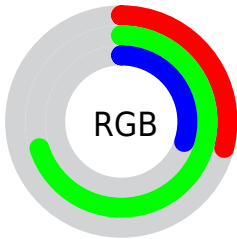
Format	Color
<a href="#">RYB</a>	<a href="#">73, 175, 178</a>
Decimal	<a href="#">4829772</a>
CIELab	<a href="#">64.79, -50.96, 42.59</a>
CIElCh	<a href="#">65, 66.416, 140.111</a>
Yxy	<a href="#">33.7791, 0.3024, 0.5114</a>
Android (android.graphics.Color)	<a href="#">4283019852 (0xFF49B24C)</a>
YUV	<a href="#">134.9770, -29.0757, -54.3538</a>
Hunter-Lab	<a href="#">58.1198, -40.3690, 28.1312</a>

# Details

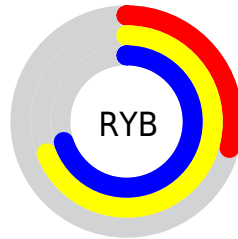
The Hex color **49B24C** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **B249AF**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **83EB80**, and **007C18** is the 20% darker color. If you saturate the color by 10%, you get **37B23B**, and if you desaturate by 10%, it is **5BB25D**.

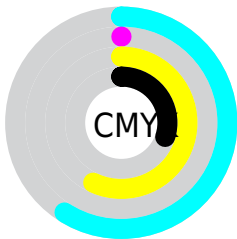
# Distribution



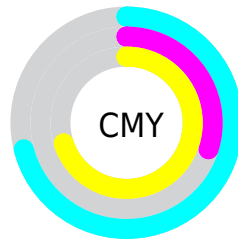
- Red (29%)
- Green (70%)
- Blue (30%)



- Red (29%)
- Yellow (69%)
- Blue (70%)



- Cyan (59%)
- Magenta (0%)
- Yellow (57%)
- Black (30%)



- Cyan (71%)
- Magenta (30%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49B24C 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 49B24C by changing the saturation by 10% instead.





49B24C



49B24C

FFFFFF



289733



83EB80



007C18



A0FF9B



006200



BDFFB6



004900



DAFFD2



003200



F8FFEF



001900



000000



49B24C



49B24C



37B23B



5BB25D

 25B229

 6DB26F

 14B218

 7EB280

 02B207

 90B291

 00B205

 A2B2A2

 B4B2B4

 C6B2C5

 D7B2D6

 E9B2E8

# Harmonies

## Analogous

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



95A61B



49B24C



00B887

# Triad

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



49B24C



00AAFF



FF6678

# Complementary

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



49B24C



B249AF

# 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.



FE66B3



49B24C



7796FF

# Square

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



49B24C



00B5F7



D17BEA



F47B43

# Rectangle

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



49B24C



00B9B0



D17BEA



FF638B



# Sweetspot

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



49B24C



BEE8BF



B0B249



5B755C



F5F5F5



757575



# Same Dimension

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



49B24C



43E848



49B27F



505951



009904



001A01



# Inverse Universe

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



B249AF



E843E3



B2497C



595059



990095



1A0019



# Previews

## White Background



This preview shows how the Hex color 49B24C looks on a white background.

## Color Contrast Check

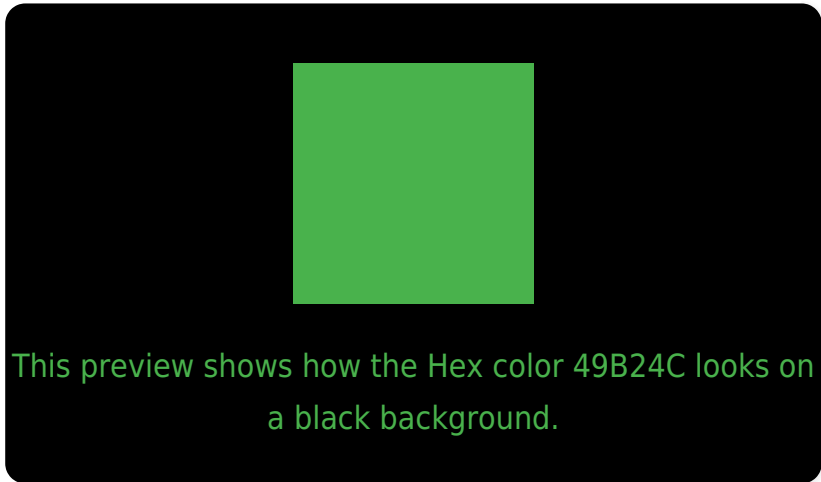
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

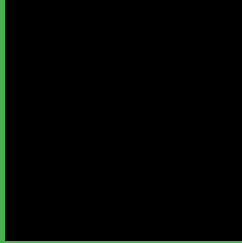
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49B24C Background



This preview shows how black text looks on a background with the Hex color 49B24C.



This preview shows how white text looks on a background with the Hex color 49B24C.

# 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**  
49B24C

**Protanopia**  
AD9C45

**Deuteranopia**  
BF9554



**Tritanopia**  
62A7B5

# Trichromacy



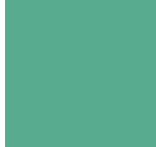
**Original Color**  
49B24C



**Protanomaly**  
89A448



**Deuteranomaly**  
94A051



**Tritanomaly**  
59AB8F

# Monochromacy



**Original Color**  
49B24C



**Achromatopsia**  
878787



**Achromatomaly**  
709772

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49B24C 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 #49B24C looks like.

```
.text, #text, p{  
    color:#49B24C  
}
```

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 #49B24C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49B24C
}
```

## Border

The CSS property to change the border of an element to Hex 49B24C is called "border". The border property can be set on classes, ids or directly on the HTML element.

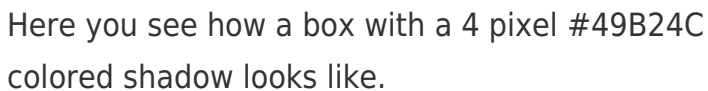
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#49B24C }
```

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

```
.border{ border-color:#49B24C }
```

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



Here you see how a box with a 4 pixel #49B24C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49B24C; -webkit-box-shadow:4px 4px  
4px 4px #49B24C; box-shadow:4px 4px 4px  
4px #49B24C }
```

# Background

The CSS property to change the background color of an element to Hex 49B24C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49B24C }
```

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

```
.background{ background-color:#49B24C }
```

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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