

# Converting Colors

Hex(49D64E)

Have a look what the booklet for  
Hex(49D64E) contains.

<b>Hex(49D64E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(49D64E)

# Conversions

## Conversions Part 1

Format	Color
Hex	49D64E
RGB	73, 214, 78
RGB Percent	29%, 84%, 31%
CMY	0.7137, 0.1608, 0.6941
CMYK	0.66, 0.00, 0.64, 0.16
HSL	122°, 63%, 56%
HSV	122°, 66%, 84%
XYZ	28.1694, 50.0597, 15.3855
YIQ	156.3370, -40.3800, -72.1880

# Conversions

## Conversions Part 2

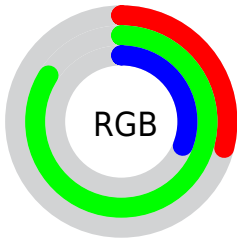
Format	Color
<a href="#">RYB</a>	<a href="#">73, 209, 214</a>
Decimal	<a href="#">4838990</a>
CIELab	<a href="#">76.11, -63.65, 54.63</a>
CIELCh	<a href="#">76, 83.878, 139.358</a>
Yxy	<a href="#">50.0597, 0.3009, 0.5347</a>
Android (android.graphics.Color)	<a href="#">4283029070 (0xFF49D64E)</a>
YUV	<a href="#">156.3370, -38.6201, -73.0865</a>
Hunter-Lab	<a href="#">70.7529, -52.7499, 36.6341</a>

# Details

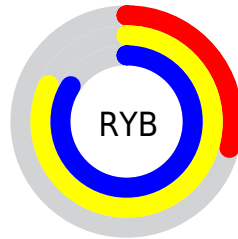
The Hex color **49D64E** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **D649D1**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **89FF84**, and **009E12** is the 20% darker color. If you saturate the color by 10%, you get **34D639**, and if you desaturate by 10%, it is **5ED663**.

# Distribution



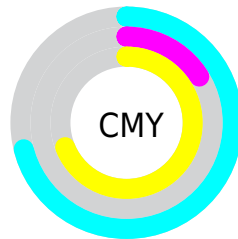
- Red (29%)
- Green (84%)
- Blue (31%)



- Red (29%)
- Yellow (82%)
- Blue (84%)



- Cyan (66%)
- Magenta (0%)
- Yellow (64%)
- Black (16%)



- Cyan (71%)
- Magenta (16%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49D64E 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 49D64E by changing the saturation by 10% instead.



 49D64E

 49D64E

FFFFFF

 1EBA33

 89FF84

 009E12

 A8FF9F

 008300

 C6FFBC

 006800

 E5FFD8

 004F00

 FFFFF5

 003700

 001E00

 000000

 49D64E

 49D64E

 34D639

 5ED663

 1ED625

 74D677

 09D610

 89D68C

 00D608

 9FD6A1

 B4D6B5

 C9D6CA

 DFD6DE

 F4D6F3

 FFD6FF

# Harmonies

## Analogous

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



B0C700



49D64E



00DD9C

# Triad

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



49D64E



00CFFF



FF6E8D

# Complementary

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



49D64E



D649D1

# 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.



FF6EDB



49D64E



7DB3FF

# Square

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



49D64E



00DBFF



FD8FFF



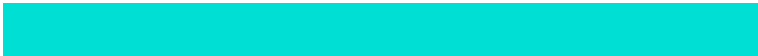
FF8D46

# Rectangle

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



49D64E



00DFD3



FD8FFF



FF6AA7

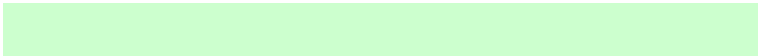


# Sweetspot

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



49D64E



CCFFCE



D1D649



618062



000000



808080



# Same Dimension

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



49D64E



36FF3D



49D694



606B61



00AB06



002B02



# Inverse Universe

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



D649D1



FF36F8



D6498B



6B606B



AB00A5

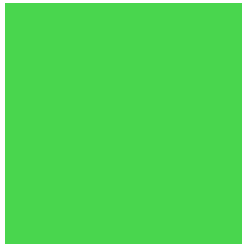


2B002A



# Previews

## White Background



This preview shows how the Hex color 49D64E 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 49D64E looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

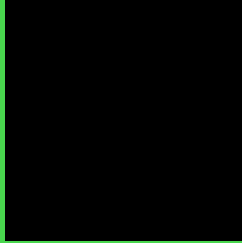
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49D64E Background



This preview shows how black text looks on a background with the Hex color 49D64E.

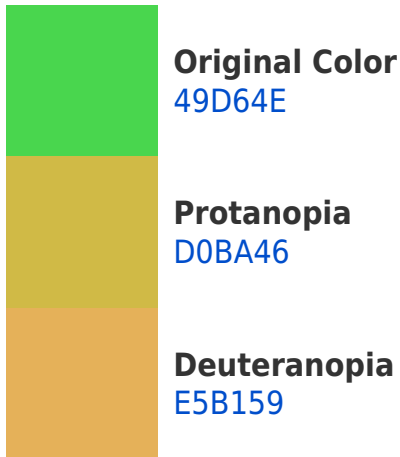


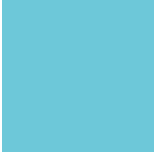
This preview shows how white text looks on a background with the Hex color 49D64E.

# 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**  
6DC8D9

# Trichromacy



**Original Color**  
49D64E



**Protanomaly**  
9FC449



**Deuteranomaly**  
ACBE55

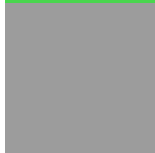


**Tritanomaly**  
60CDA6

# Monochromacy



**Original Color**  
49D64E



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
7EB180

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49D64E 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 #49D64E looks like.

```
.text, #text, p{  
    color:#49D64E  
}
```

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 #49D64E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49D64E
}
```

## Border

The CSS property to change the border of an element to Hex 49D64E 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
#49D64E }
```

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

```
.border{ border-color:#49D64E }
```

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

Here you see how a box with a 4 pixel #49D64E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49D64E; -webkit-box-shadow:4px 4px  
4px 4px #49D64E; box-shadow:4px 4px 4px  
4px #49D64E }
```

# Background

The CSS property to change the background color of an element to Hex 49D64E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49D64E }
```

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

```
.background{ background-color:#49D64E }
```

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