

# Converting Colors

Hex(4CE936)

Have a look what the booklet for  
Hex(4CE936) contains.

<b>Hex(4CE936)</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(4CE936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CE936
RGB	76, 233, 54
RGB Percent	30%, 91%, 21%
CMY	0.7020, 0.0863, 0.7882
CMYK	0.67, 0.00, 0.77, 0.09
HSL	113°, 80%, 56%
HSV	113°, 77%, 91%
XYZ	32.7853, 60.0807, 13.3588
YIQ	165.6510, -36.1130, -88.9530

# Conversions

## Conversions Part 2

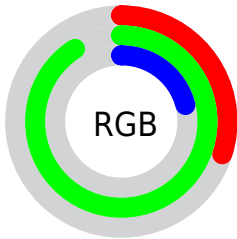
Format	Color
<b>RYB</b>	54, 233, 211
Decimal	5040438
CIELab	81.88, -71.25, 69.38
CIELCh	82, 99.449, 135.760
Yxy	60.0807, 0.3086, 0.5656
Android (android.graphics.Color)	4283230518 (0xFF4CE936)
YUV	165.6510, -55.0439, -78.6239
Hunter-Lab	77.5117, -60.1451, 44.0398

# Details

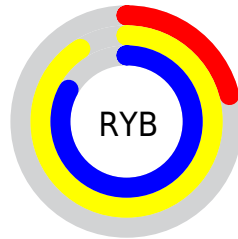
The Hex color **4CE936** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **D336E9**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **90FF71**, and **00B000** is the 20% darker color. If you saturate the color by 10%, you get **38E91F**, and if you desaturate by 10%, it is **60E94D**.

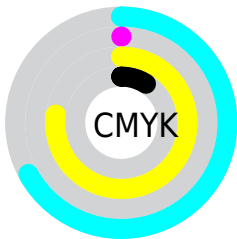
# Distribution



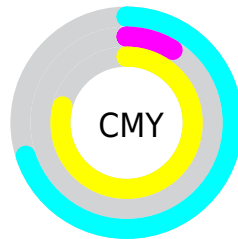
- Red (30%)
- Green (91%)
- Blue (21%)



- Red (21%)
- Yellow (91%)
- Blue (83%)



- Cyan (67%)
- Magenta (0%)
- Yellow (77%)
- Black (9%)



- Cyan (70%)
- Magenta (9%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4CE936 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 4CE936 by changing the saturation by 10% instead.



 4CE936

 4CE936


FFFFFF

 1BCC0B

 90FF71

 00B000

 AFFF8E

 009400

 CFFFAA

 007900

 EEFFC7

 005F00

 FFFF E5

 004500

 002D00

 000D00

 000000

 4CE936

 4CE936

 38E91F

 60E94D

 23E907

 75E965

 1DE900

 89E97C

 9EE993

 B2E9AB

 C7E9C2

 DBE9D9

 EFE9F0

 FFE9FF

# Harmonies

## Analogous

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



C6D600



4CE936



00F29A

# Triad

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



4CE936



00E3FF



FF629F

# Complementary

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



4CE936



D336E9

# 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.



FF69FC



4CE936



3FC6FF

# Square

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



4CE936



00F1FF



FF99FF



FF8B46

# Rectangle

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



4CE936



00F5DC



FF99FF



FF5DBE

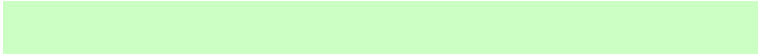


# Sweetspot

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



4CE936



CCFFC4



E9D136



60805C



000000



808080



# Same Dimension

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



4CE936



31FF14



36E978



6B756A



16B500



073600



# Inverse Universe

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



D336E9



E214FF



E936A7



746A75



9F00B5

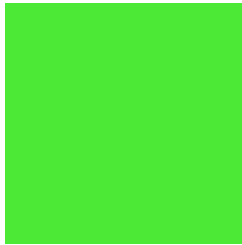


2F0036



# Previews

## White Background



This preview shows how the Hex color 4CE936 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 4CE936 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 4CE936 Background



This preview shows how black text looks on a background with the Hex color 4CE936.

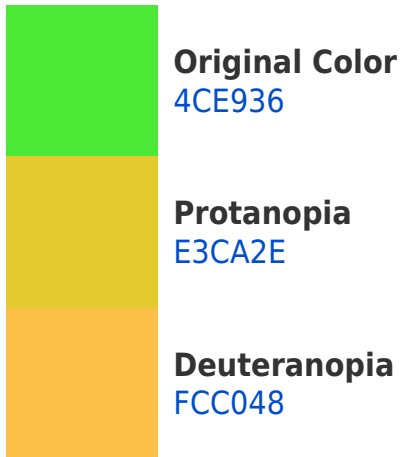


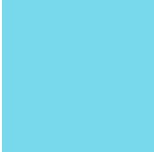
This preview shows how white text looks on a background with the Hex color 4CE936.

# 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**  
77D9EB

# Trichromacy



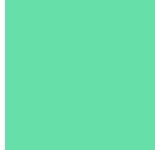
**Original Color**  
4CE936



**Protanomaly**  
ACD531



**Deuteranomaly**  
BCCF41

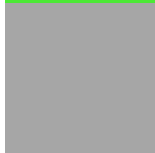


**Tritanomaly**  
67DFA9

# Monochromacy



**Original Color**  
4CE936



**Achromatopsia**  
A6A6A6



**Achromatomaly**  
85BE7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4CE936 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 #4CE936 looks like.

```
.text, #text, p{  
    color:#4CE936  
}
```

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 #4CE936 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4CE936
}
```

## Border

The CSS property to change the border of an element to Hex 4CE936 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
#4CE936 }
```

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

```
.border{ border-color:#4CE936 }
```

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

Here you see how a box with a 4 pixel #4CE936 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4CE936; -webkit-box-shadow:4px 4px  
4px 4px #4CE936; box-shadow:4px 4px 4px  
4px #4CE936 }
```

# Background

The CSS property to change the background color of an element to Hex 4CE936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4CE936 }
```

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

```
.background{ background-color:#4CE936 }
```

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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