

# Converting Colors

Hex(2EC42F)

Have a look what the booklet for  
Hex(2EC42F) contains.

<b>Hex(2EC42F)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(2EC42F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EC42F
RGB	46, 196, 47
RGB Percent	18%, 77%, 18%
CMY	0.8196, 0.2314, 0.8157
CMYK	0.77, 0.00, 0.76, 0.23
HSL	120°, 62%, 47%
HSV	120°, 77%, 77%
XYZ	21.3797, 40.2659, 9.3346
YIQ	134.1640, -41.5710, -78.1390

# Conversions

## Conversions Part 2

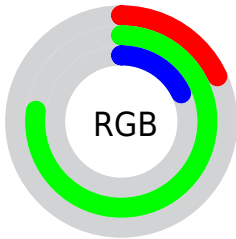
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 195, 196
Decimal	3064879
CIELab	69.66, -65.14, 59.50
CIELCh	70, 88.220, 137.589
Yxy	40.2659, 0.3012, 0.5673
Android (android.graphics.Color)	4281254959 (0xFF2EC42F)
YUV	134.1640, -42.9719, -77.3198
Hunter-Lab	63.4554, -50.9059, 35.6970

# Details

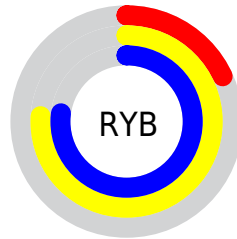
The Hex color **2EC42F** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **C42EC3**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **75FE67**, and **008D00** is the 20% darker color. If you saturate the color by 10%, you get **1AC41C**, and if you desaturate by 10%, it is **42C442**.

# Distribution



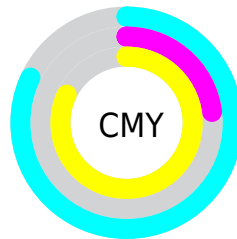
- Red (18%)
- Green (77%)
- Blue (18%)



- Red (18%)
- Yellow (76%)
- Blue (77%)



- Cyan (77%)
- Magenta (0%)
- Yellow (76%)
- Black (23%)



- Cyan (82%)
- Magenta (23%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2EC42F 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 2EC42F by changing the saturation by 10% instead.



 2EC42F

 2EC42F

FFFFFF

 00A808

 75FE67

 008D00

 94FF83

 007200

 B3FF9F

 005800

 D1FFBB

 003F00

 F0FFD8

 002700

 FFFFF5

 000000

 2EC42F

 2EC42F

 1AC41C

 42C442

 07C408

 55C456

 00C401

 69C469

 7CC47D

 90C490

 A4C4A4

 B7C4B7

 CBC4CB

 DEC4DE

# Harmonies

## Analogous

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



A1B500



2EC42F



00CB85

# Triad

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



2EC42F



00BDFE



FF4F7F

# Complementary

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



2EC42F



C42EC3

# 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.



FF53CF



2EC42F



48A3FF

# Square

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



2EC42F



00CAFF



E77CFF



FF7532

# Rectangle

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



2EC42F



00CDBD



E77CFF



FF4A99

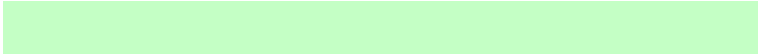


# Sweetspot

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



2EC42F



C4FFC5



C4C42E



5C805C



000000



808080



# Same Dimension

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



2EC42F



14FF16



2EC479



576157



00A101



002100



# Inverse Universe

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



C42EC3



FF14FD



C42E79



615761



A100A0

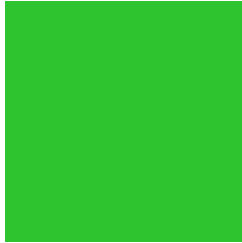


210021



# Previews

## White Background



This preview shows how the Hex color 2EC42F looks on a white background.

## Color Contrast Check

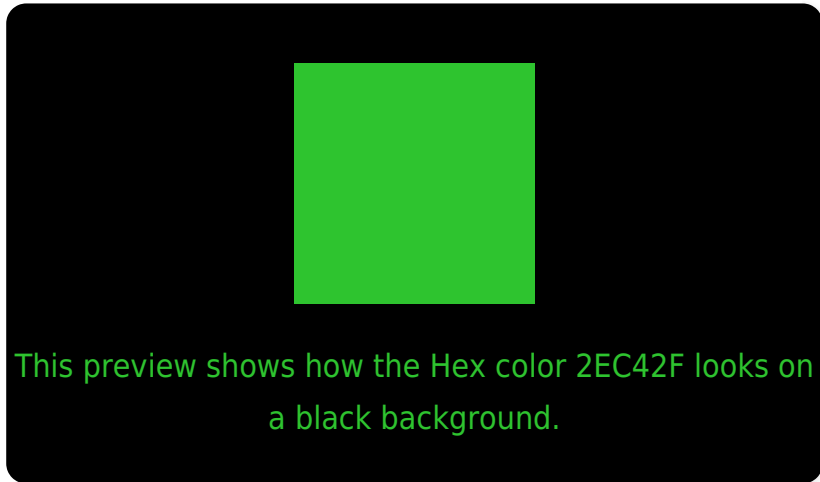
Large Text (above 18pt) WCAG AA × Fail

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 2EC42F Background



This preview shows how black text looks on a background with the Hex color 2EC42F.



This preview shows how white text looks on a background with the Hex color 2EC42F.

# 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](#).

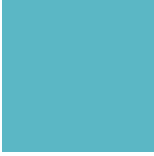
## Dichromacy



**Original Color**  
2EC42F

**Protanopia**  
BEA928

**Deuteranopia**  
D2A03E



**Tritanopia**  
5BB7C5

# Trichromacy



**Original Color**  
2EC42F



**Protanomaly**  
8AB32B



**Deuteranomaly**  
96AD39



**Tritanomaly**  
4BBC8E

# Monochromacy



**Original Color**  
2EC42F



**Achromatopsia**  
868686



**Achromatomaly**  
669D66

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2EC42F 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 #2EC42F looks like.

```
.text, #text, p{  
    color:#2EC42F  
}
```

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 #2EC42F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2EC42F
}
```

## Border

The CSS property to change the border of an element to Hex 2EC42F 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
#2EC42F }
```

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

```
.border{ border-color:#2EC42F }
```

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

Here you see how a box with a 4 pixel #2EC42F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2EC42F; -webkit-box-shadow:4px 4px  
4px 4px #2EC42F; box-shadow:4px 4px 4px  
4px #2EC42F }
```

# Background

The CSS property to change the background color of an element to Hex 2EC42F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2EC42F }
```

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

```
.background{ background-color:#2EC42F }
```

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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