

# Converting Colors

Hex(40E51A)

Have a look what the booklet for  
Hex(40E51A) contains.

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# Color

Hex(40E51A)

# Conversions

## Conversions Part 1

Format	Color
Hex	40E51A
RGB	64, 229, 26
RGB Percent	25%, 90%, 10%
CMY	0.7490, 0.1020, 0.8980
CMYK	0.72, 0.00, 0.89, 0.10
HSL	109°, 80%, 50%
HSV	109°, 89%, 90%
XYZ	30.3201, 57.2032, 10.4206
YIQ	156.5230, -33.1770, -98.1130

# Conversions

## Conversions Part 2

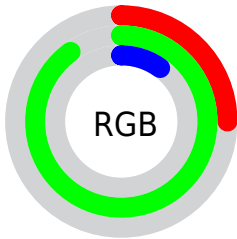
Format	Color
<a href="#">RYB</a>	<a href="#">26, 229, 191</a>
Decimal	<a href="#">4252954</a>
CIELab	<a href="#">80.29, -73.42, 74.54</a>
CIELCh	<a href="#">80, 104.627, 134.566</a>
Yxy	<a href="#">57.2032, 0.3096, 0.5840</a>
Android (android.graphics.Color)	<a href="#">4282443034 (0xFF40E51A)</a>
YUV	<a href="#">156.5230, -64.3478, -81.1427</a>
Hunter-Lab	<a href="#">75.6328, -60.7993, 44.7741</a>

# Details

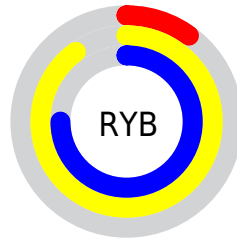
The Hex color **40E51A** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **BF1AE5**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **88FF5F**, and **00AC00** is the 20% darker color. If you saturate the color by 10%, you get **2DE503**, and if you desaturate by 10%, it is **53E531**.

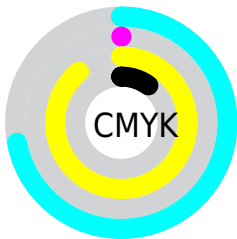
# Distribution



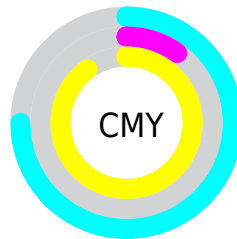
- Red (25%)
- Green (90%)
- Blue (10%)



- Red (10%)
- Yellow (90%)
- Blue (75%)



- Cyan (72%)
- Magenta (0%)
- Yellow (89%)
- Black (10%)



- Cyan (75%)
- Magenta (10%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40E51A 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 40E51A by changing the saturation by 10% instead.



 40E51A

 40E51A

FFFFFF

 00C800

 88FF5F

 00AC00

 A8FF7D

 009000

 C7FF9A

 007500

 E7FFB7

 005B00

 FFFFD4

 004200

 FFFFF2

 002900

 000200

 000000

 40E51A

 40E51A

 2DE503

 53E531

 2BE500

 65E548

 78E55F

 8AE576

 9DE58C

 B0E5A3

 C2E5BA

 D5E5D1

 E8E5E8

# Harmonies

## Analogous

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



C4D200



40E51A



00EF8F

# Triad

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



40E51A



00E1FF



FF4D9C

# Complementary

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



40E51A



BF1AE5

# 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.



FF5AFE



40E51A



00C3FF

# Square

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



40E51A



00EFFF



FF93FF



FF7F3D

# Rectangle

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



40E51A



00F1D4



FF93FF



FF47BD

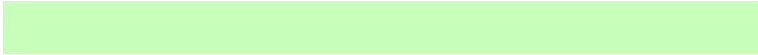


# Sweetspot

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



40E51A



C7FFBA



E5BC1A



5E8057



000000



808080



# Same Dimension

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



40E51A



30FF00



1AE557



697367



21B300



0A3300



# Inverse Universe

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



BF1AE5



CF00FF



E51AA8



716773



9100B3

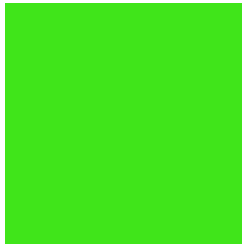


290033



# Previews

## White Background



This preview shows how the Hex color 40E51A 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 40E51A 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 40E51A Background



This preview shows how black text looks on a background with the Hex color 40E51A.

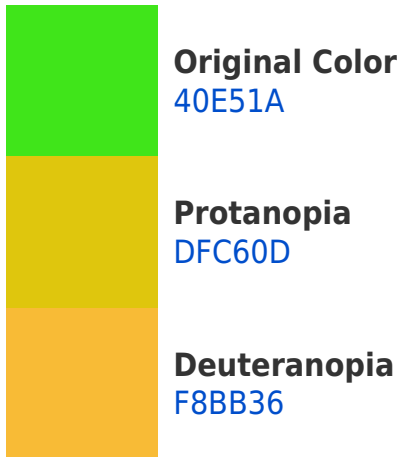


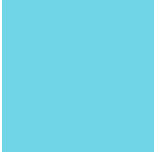
This preview shows how white text looks on a background with the Hex color 40E51A.

# 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](#).

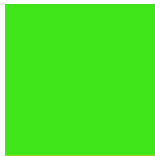
## Dichromacy





**Tritanopia**  
70D5E6

# Trichromacy



**Original Color**  
40E51A



**Protanomaly**  
A5D112



**Deuteranomaly**  
B5CA2C



**Tritanomaly**  
5FDB9C

# Monochromacy



**Original Color**  
40E51A



**Achromatopsia**  
9D9D9D



**Achromatomaly**  
7BB76D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40E51A 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 #40E51A looks like.

```
.text, #text, p{  
    color:#40E51A  
}
```

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 #40E51A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40E51A
}
```

## Border

The CSS property to change the border of an element to Hex 40E51A 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
#40E51A }
```

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

```
.border{ border-color:#40E51A }
```

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

Here you see how a box with a 4 pixel #40E51A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40E51A; -webkit-box-shadow:4px 4px  
4px 4px #40E51A; box-shadow:4px 4px 4px  
4px #40E51A }
```

# Background

The CSS property to change the background color of an element to Hex 40E51A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40E51A }
```

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

```
.background{ background-color:#40E51A }
```

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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