

# Converting Colors

Hex(00E038)

Have a look what the booklet for  
Hex(00E038) contains.

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**Color**

**Hex(00E038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E038
RGB	0, 224, 56
RGB Percent	0%, 88%, 22%
CMY	1.0000, 0.1216, 0.7804
CMYK	1.00, 0.00, 0.75, 0.12
HSL	135°, 100%, 44%
HSV	135°, 100%, 88%
XYZ	27.3695, 53.5968, 12.6441
YIQ	137.8720, -79.5760, -99.7360

# Conversions

## Conversions Part 2

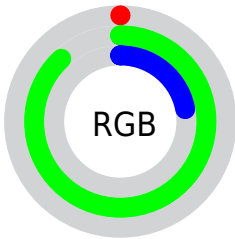
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 179, 224
Decimal	57400
CIELab	78.23, -75.97, 64.88
CIELCh	78, 99.907, 139.501
Yxy	53.5968, 0.2924, 0.5726
Android (android.graphics.Color)	4278247480 (0xFF00E038)
YUV	137.8720, -40.3629, -120.9137
Hunter-Lab	73.2099, -61.3851, 41.0069

# Details

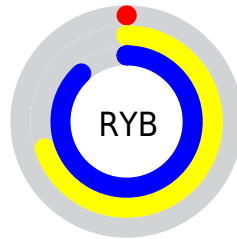
The Hex color **00E038** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **E000A8**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **6EFF72**, and **00A700** is the 20% darker color. If you saturate the color by 10%, you get **00E038**, and if you desaturate by 10%, it is **16E049**.

# Distribution



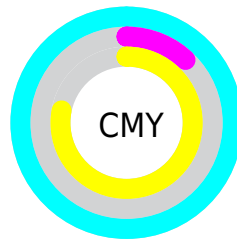
- Red (0%)
- Green (88%)
- Blue (22%)



- Red (0%)
- Yellow (70%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00E038 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 00E038 by changing the saturation by 10% instead.



 00E038

 00E038

FFFFFF

 00C313

 6EFF72

 00A700

 8FFF8E

 008B00

 B0FFAA

 007000

 D0FFC7

 005600

 EFFFEE

 003E00

 002300

 000000

 00E038

 16E049

 2DE05A

 43E06A

 5AE07B

 70E08C

 86E09D

 9DE0AE

 B3E0BE

 CAE0CF

# Harmonies

## Analogous

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



AFCF00



00E038



00E89D

# Triad

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



00E038



00D6FF



FF578A

# Complementary

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



00E038



E000A8

# 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.



FF56E6



00E038



62B7FF

# Square

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



00E038



00E6FF



FF88FF



FF862F

# Rectangle

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



00E038



00EADE



FF88FF



FF4EA8

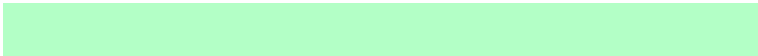


# Sweetspot

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



00E038



B3FFC6



A8E000



52805D



000000



808080



# Same Dimension

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



00E038



00FF40



00E0A8



657068



00B02C



00300C



# Inverse Universe

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



E000A8



FF00BF



E00038



70656D



B00084

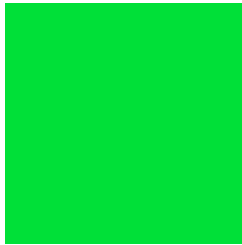


300024



# Previews

## White Background



This preview shows how the Hex color 00E038 looks on a white background.

## Color Contrast Check

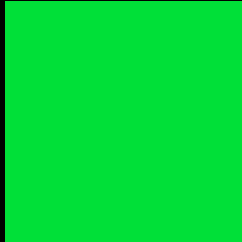
Large Text (above 18pt) WCAG AA × Fail

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 00E038 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

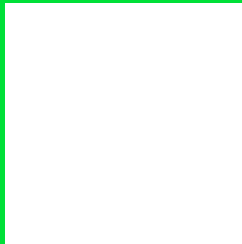
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00E038 Background



This preview shows how black text looks on a background with the Hex color 00E038.

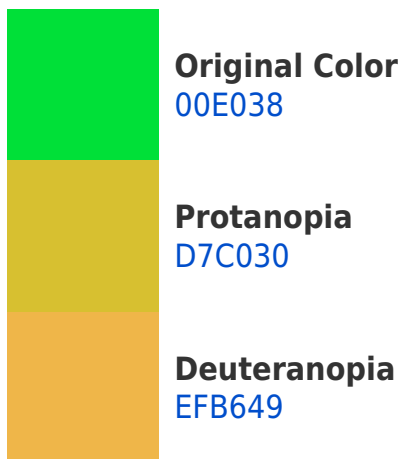


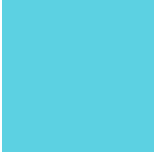
This preview shows how white text looks on a background with the Hex color 00E038.

# 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](#).

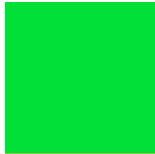
## Dichromacy





**Tritanopia**  
5CD1E2

# Trichromacy



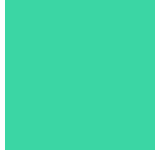
**Original Color**  
00E038



**Protanomaly**  
89CC33



**Deuteranomaly**  
98C543



**Tritanomaly**  
3BD6A4

# Monochromacy



**Original Color**  
00E038



**Achromatopsia**  
8A8A8A



**Achromatomaly**  
58A96C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00E038 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 #00E038 looks like.

```
.text, #text, p{  
    color:#00E038  
}
```

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 #00E038 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00E038  
}
```

## Border

The CSS property to change the border of an element to Hex 00E038 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  
#00E038 }
```

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

```
.border{ border-color:#00E038 }
```

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

Here you see how a box with a 4 pixel #00E038 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00E038; -webkit-box-shadow:4px 4px  
4px 4px #00E038; box-shadow:4px 4px 4px  
4px #00E038 }
```

# Background

The CSS property to change the background color of an element to Hex 00E038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00E038 }
```

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

```
.background{ background-color:#00E038 }
```

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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