

# Converting Colors

Hex(12E312)

Have a look what the booklet for  
Hex(12E312) contains.

<b>Hex(12E312)</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(12E312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12E312
RGB	18, 227, 18
RGB Percent	7%, 89%, 7%
CMY	0.9294, 0.1098, 0.9294
CMYK	0.92, 0.00, 0.92, 0.11
HSL	120°, 85%, 48%
HSV	120°, 92%, 89%
XYZ	27.8277, 55.1104, 9.7430
YIQ	140.6830, -57.4750, -109.3070

# Conversions

## Conversions Part 2

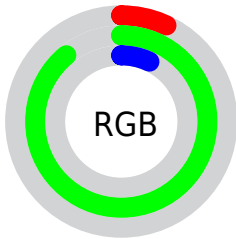
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 227, 227
Decimal	1237778
CIELab	79.10, -77.93, 74.52
CIELCh	79, 107.821, 136.280
Yxy	55.1104, 0.3003, 0.5946
Android (android.graphics.Color)	4279427858 (0xFF12E312)
YUV	140.6830, -60.4827, -107.5930
Hunter-Lab	74.2364, -63.0025, 44.1841

# Details

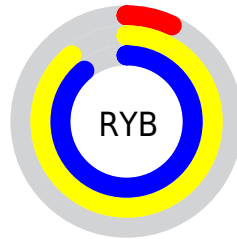
The Hex color **12E312** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **E312E3**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **73FF5B**, and **00AA00** is the 20% darker color. If you saturate the color by 10%, you get **00E300**, and if you desaturate by 10%, it is **29E329**.

# Distribution



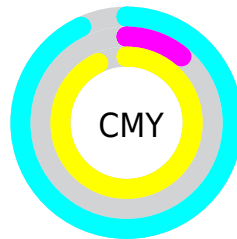
- Red (7%)
- Green (89%)
- Blue (7%)



- Red (7%)
- Yellow (89%)
- Blue (89%)



- Cyan (92%)
- Magenta (0%)
- Yellow (92%)
- Black (11%)



- Cyan (93%)
- Magenta (11%)
- Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12E312 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 12E312 by changing the saturation by 10% instead.



 12E312

 12E312

FFFFFF

 00C600

 73FF5B

 00AA00

 95FF79

 008E00

 B5FF96

 007300

 D5FFB3

 005800

 F5FFD0

 004000

 FFFFEE

 002600

 000000

 12E312

 12E312

 00E300

 29E329

 3FE33F

 56E356

 6DE36D

 84E384

 9AE39A

 B1E3B1

 C8E3C8

 DEE3DE

# Harmonies

## Analogous

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



B9D000



12E312



00EC90

# Triad

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



12E312



00DDFF



FF3F92

# Complementary

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



12E312



E312E3

# 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.



FF4AF6



12E312



00BEFF

# Square

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



12E312



00ECFF



FF8AFF



FF7B2E

# Rectangle

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



12E312



00EFD7



FF8AFF



FF34B3

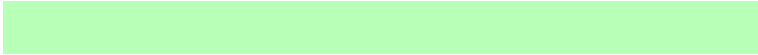


# Sweetspot

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



12E312



B8FFB8



E3E312



548054



000000



808080



# Same Dimension

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



12E312



00FF00



12E37A



677367



00B300



003300



# Inverse Universe

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



E312E3



FF00FF



E3127A



736773



B300B3

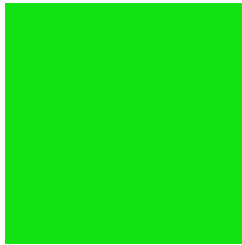


330033



# Previews

## White Background



This preview shows how the Hex color 12E312 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 12E312 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 12E312 Background



This preview shows how black text looks on a background with the Hex color 12E312.



This preview shows how white text looks on a background with the Hex color 12E312.

# 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](#).

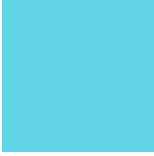
## Dichromacy



**Original Color**  
12E312

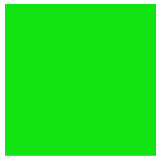
**Protanopia**  
DBC200

**Deuteranopia**  
F4B834



**Tritanopia**  
60D3E4

# Trichromacy



**Original Color**  
12E312



**Protanomaly**  
92CE07

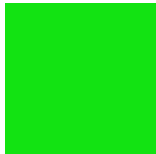


**Deuteranomaly**  
A2C828



**Tritanomaly**  
44D998

# Monochromacy



**Original Color**  
12E312



**Achromatopsia**  
8D8D8D



**Achromatomaly**  
60AC60

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12E312 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 #12E312 looks like.

```
.text, #text, p{  
    color:#12E312  
}
```

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 #12E312 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12E312
}
```

## Border

The CSS property to change the border of an element to Hex 12E312 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
#12E312 }
```

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

```
.border{ border-color:#12E312 }
```

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

Here you see how a box with a 4 pixel #12E312 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12E312; -webkit-box-shadow:4px 4px  
4px 4px #12E312; box-shadow:4px 4px 4px  
4px #12E312 }
```

# Background

The CSS property to change the background color of an element to Hex 12E312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12E312 }
```

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

```
.background{ background-color:#12E312 }
```

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