

Converting Colors

Hex(12FF00)

Have a look what the booklet for
Hex(12FF00) contains.

Hex(12FF00)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

Hex(12FF00)

Conversions

Conversions Part 1

Format	Color
Hex	12FF00
RGB	18, 255, 0
RGB Percent	7%, 100%, 0%
CMY	0.9294, 0.0000, 1.0000
CMYK	0.93, 0.00, 1.00, 0.00
HSL	116°, 100%, 50%
HSV	116°, 100%, 100%
XYZ	36.0095, 71.6486, 11.9317
YIQ	155.0670, -59.3970, -129.5490

Conversions

Conversions Part 2

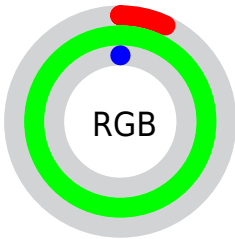
Format	Color
RYB	0, 255, 237
Decimal	1244928
CIELab	87.80, -85.62, 83.26
CIELCh	88, 119.422, 135.800
Yxy	71.6486, 0.3011, 0.5991
Android (android.graphics.Color)	4279435008 (0xFF12FF00)
YUV	155.0670, -76.4480, -120.2078
Hunter-Lab	84.6455, -72.1931, 50.8943

Details

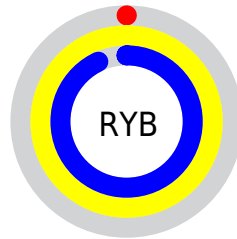
The Hex color **12FF00** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **ED00FF**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **7BFF5C**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **12FF00**, and if you desaturate by 10%, it is **2AFF19**.

Distribution



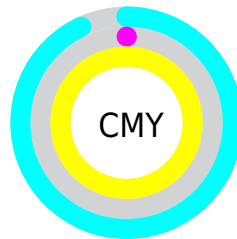
- Red (7%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (93%)



- Cyan (93%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (93%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12FF00 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 12FF00 by changing the saturation by 10% instead.

 12FF00

 12FF00

FFFFFF

 00E100

 7BFF5C

 00C400

 9EFF7B

 00A800

 C0FF99

 008C00

 E1FFB7

 007100

 FFFFD5

 005600

 FFFFF3

 003D00

 002200

 000000

 12FF00

 2AFF19

 41FF33

 59FF4D

 71FF66

 88FF80

 A0FF99

 B8FFB3

 D0FFCC

 E7FFE6

Harmonies

Analogous

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



D1EA00



12FF00



00FFA0

Triad

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



12FF00



00F9FF



FF40A6

Complementary

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



12FF00



ED00FF

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.



FF4FFF



12FF00



00D6FF

Square

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



12FF00



00FFFF



FF9CFF



FF8834

Rectangle

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



12FF00



00FFF0



FF9CFF



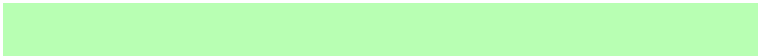
FF33CB

Sweetspot

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



12FF00



B8FFB3



FFEA00



558052



000000



808080

Same Dimension

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



12FF00



00FF6A



748073



0DBF00



044000

Inverse Universe

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



ED00FF



FF0095



7F7380



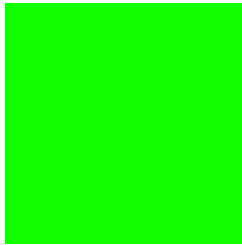
B200BF



3B0040

Previews

White Background



This preview shows how the Hex color 12FF00 looks on a white background.

Color Contrast Check

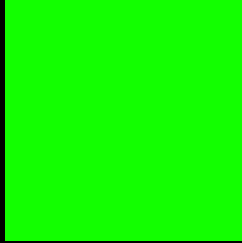
Large Text (above 18pt) WCAG AA × Fail

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 12FF00 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 12FF00 Background



This preview shows how black text looks on a background with the Hex color 12FF00.



This preview shows how white text looks on a background with the Hex color 12FF00.

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](#).

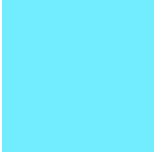
Dichromacy



Original Color
E67E22

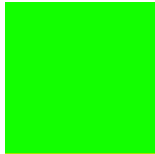
Protanopia
F1C40F

Deuteranopia
F5B741



Tritanopia
72ECFF

Trichromacy



Original Color
12FF00



Protanomaly
A3E700

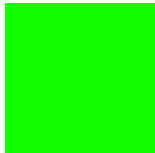


Deuteranomaly
A9E35B



Tritanomaly
4FF3A2

Monochromacy



Original Color
12FF00



Achromatopsia
9B9B9B



Achromatomaly
69BF63

CSS Examples

Text

The CSS property to change the color of the text to Hex 12FF00 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 #12FF00 looks like.

```
.text, #text, p{  
    color:#12FF00  
}
```

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 #12FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12FF00
}
```

Border

The CSS property to change the border of an element to Hex 12FF00 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".

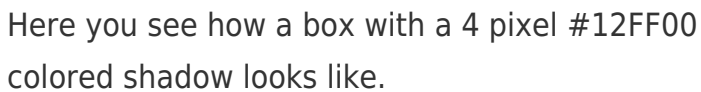
```
.border, #border, table{ border:4px solid
#12FF00 }
```

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

```
.border{ border-color:#12FF00 }
```

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

Here you see how a box with a 4 pixel #12FF00 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12FF00; -webkit-box-shadow:4px 4px  
4px 4px #12FF00; box-shadow:4px 4px 4px  
4px #12FF00 }
```

Background

The CSS property to change the background color of an element to Hex 12FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12FF00 }
```

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

```
.background{ background-color:#12FF00 }
```

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