

# Converting Colors

Hex(12FF3E)

Have a look what the booklet for  
Hex(12FF3E) contains.

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# Color

Hex(12FF3E)

# Conversions

## Conversions Part 1

Format	Color
Hex	12FF3E
RGB	18, 255, 62
RGB Percent	7%, 100%, 24%
CMY	0.9294, 0.0000, 0.7569
CMYK	0.93, 0.00, 0.76, 0.00
HSL	131°, 100%, 54%
HSV	131°, 93%, 100%
XYZ	36.8790, 71.9964, 16.5104
YIQ	162.1350, -79.2990, -110.2670

# Conversions

## Conversions Part 2

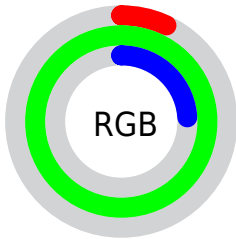
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 218, 255
Decimal	1244990
CIELab	87.97, -83.45, 72.60
CIELCh	88, 110.611, 138.976
Yxy	71.9964, 0.2941, 0.5742
Android (android.graphics.Color)	4279435070 (0xFF12FF3E)
YUV	162.1350, -49.3666, -126.4064
Hunter-Lab	84.8507, -70.9066, 47.8587

# Details

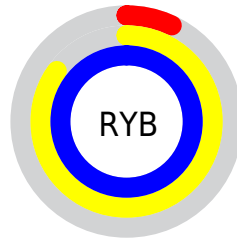
The Hex color **12FF3E** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **FF12D3**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **79FF7A**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **00FF2F**, and if you desaturate by 10%, it is **2CFF53**.

# Distribution



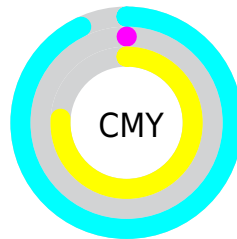
- Red (7%)
- Green (100%)
- Blue (24%)



- Red (7%)
- Yellow (85%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)



- Cyan (93%)
- Magenta (0%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12FF3E 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 12FF3E by changing the saturation by 10% instead.



 12FF3E

 12FF3E

FFFFFF

 00E117

 79FF7A

 00C400

 9CFF97

 00A800

 BDFFB4

 008C00

 DEFFD1

 007100

 FFFFEF

 005600

 003D00

 002300

 000000

 12FF3E

 12FF3E

 00FF2F

 2CFF53

 45FF68

 5FFF7C

 78FF91

 92FFA6

 ABFFBB

 C5FFCF

 DEFFE4

 F8FFF9

# Harmonies

## Analogous

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



CAEC00



12FF3E



00FFB1

# Triad

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



12FF3E



00F5FF



FF629F

# Complementary

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



12FF3E



FF12D3

# 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.



FF63FF



12FF3E



67D2FF

# Square

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



12FF3E



00FFFF



FF9CFF



FF9838

# Rectangle

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



12FF3E



00FFFB



FF9CFF



FF58C2

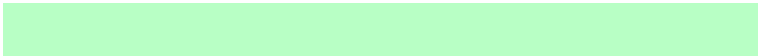


# Sweetspot

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



12FF3E



B8FFC5



D4FF12



54805C



000000



808080



# Same Dimension

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



12FF3E



00FF2F



12FFB4



738075



00BF24



00400C



# Inverse Universe

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



FF12D3



FF00D0



FF125D



80737D



BF009C

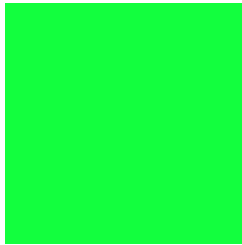


400034



# Previews

## White Background



This preview shows how the Hex color 12FF3E 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 12FF3E 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

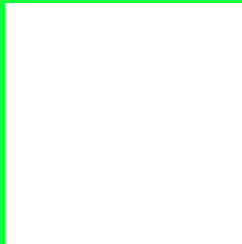
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 12FF3E Background



This preview shows how black text looks on a background with the Hex color 12FF3E.

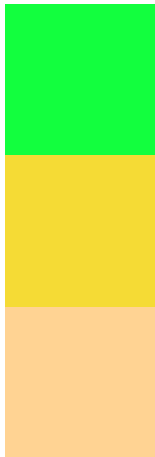


This preview shows how white text looks on a background with the Hex color 12FF3E.

# 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](#).

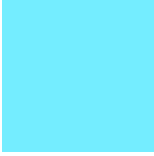
## Dichromacy



**Original Color**  
12FF3E

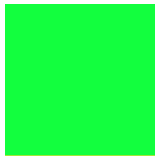
**Protanopia**  
F5DB35

**Deuteranopia**  
FFD393



**Tritanopia**  
74EDFF

# Trichromacy



**Original Color**

12FF3E



**Protanomaly**

A2E838



**Deuteranomaly**

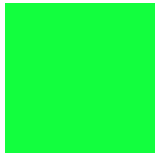
A9E374



**Tritanomaly**

50F4B9

# Monochromacy



**Original Color**

12FF3E



**Achromatopsia**

A2A2A2



**Achromatomaly**

6EC47E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12FF3E 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 #12FF3E looks like.

```
.text, #text, p{  
    color:#12FF3E  
}
```

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 #12FF3E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12FF3E
}
```

## Border

The CSS property to change the border of an element to Hex 12FF3E 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
#12FF3E }
```

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

```
.border{ border-color:#12FF3E }
```

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

Here you see how a box with a 4 pixel #12FF3E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12FF3E; -webkit-box-shadow:4px 4px  
4px 4px #12FF3E; box-shadow:4px 4px 4px  
4px #12FF3E }
```

# Background

The CSS property to change the background color of an element to Hex 12FF3E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12FF3E }
```

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

```
.background{ background-color:#12FF3E }
```

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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