

Converting Colors

Hex(12ED2F)

Have a look what the booklet for
Hex(12ED2F) contains.

Hex(12ED2F)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(12ED2F)

Conversions

Conversions Part 1

Format	Color
Hex	12ED2F
RGB	18, 237, 47
RGB Percent	7%, 93%, 18%
CMY	0.9294, 0.0706, 0.8157
CMYK	0.92, 0.00, 0.80, 0.07
HSL	128°, 86%, 50%
HSV	128°, 92%, 93%
XYZ	31.0467, 60.9022, 12.8083
YIQ	149.8590, -69.5340, -105.5180

Conversions

Conversions Part 2

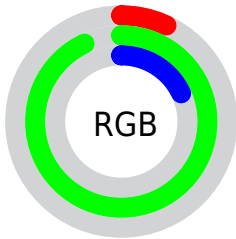
Format	Color
RYB	18, 211, 237
Decimal	1240367
CIELab	82.33, -79.47, 71.53
CIELCh	82, 106.924, 138.010
Yxy	60.9022, 0.2964, 0.5814
Android (android.graphics.Color)	4279430447 (0xFF12ED2F)
YUV	149.8590, -50.7095, -115.6403
Hunter-Lab	78.0399, -65.5568, 44.8969

Details

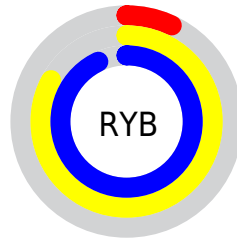
The Hex color **12ED2F** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **ED12D0**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **75FF6D**, and **00B300** is the 20% darker color. If you saturate the color by 10%, you get **00ED1F**, and if you desaturate by 10%, it is **2AED44**.

Distribution



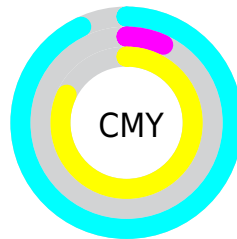
- Red (7%)
- Green (93%)
- Blue (18%)



- Red (7%)
- Yellow (83%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (80%)
- Black (7%)



- Cyan (93%)
- Magenta (7%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12ED2F 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 12ED2F by changing the saturation by 10% instead.

 12ED2F

 12ED2F


FFFFFF

 00D000

 75FF6D

 00B300

 97FF89

 009700

 B8FFA6

 007C00

 D8FFC3


 006100

 F8FFE1

 004700

FFFFFFE

 002E00

 000F00

 000000

■ 12ED2F

■ 12ED2F

■ 00ED1F

■ 2AED44

■ 41ED58

■ 59ED6D

■ 71ED81

■ 88ED96

■ A0EDAA

■ B8EDBF

■ D0EDD3

■ E7EDE8

Harmonies

Analogous

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



BEDA00



12ED2F



00F6A0

Triad

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



12ED2F



00E5FF



FF5496

Complementary

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



12ED2F



ED12D0

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.



FF57FA



12ED2F



45C4FF

Square

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



12ED2F



00F4FF



FF91FF



FF8932

Rectangle

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



12ED2F



00F8E6



FF91FF



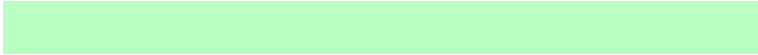
FF4AB6

Sweetspot

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



12ED2F



B8FFC1



D3ED12



54805A



000000



808080

Same Dimension

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



12ED2F



00FF22



12ED99



6A756B



00B518



003607

Inverse Universe

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



ED12D0



FF00DD



ED1266



756A74



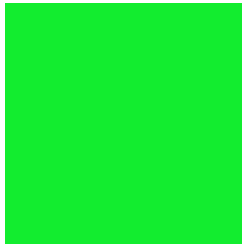
B5009D



36002E

Previews

White Background



This preview shows how the Hex color 12ED2F looks on a white background.

Color Contrast Check

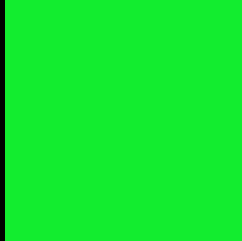
Large Text (above 18pt) WCAG AA × Fail

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 12ED2F 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 12ED2F Background



This preview shows how black text looks on a background with the Hex color 12ED2F.

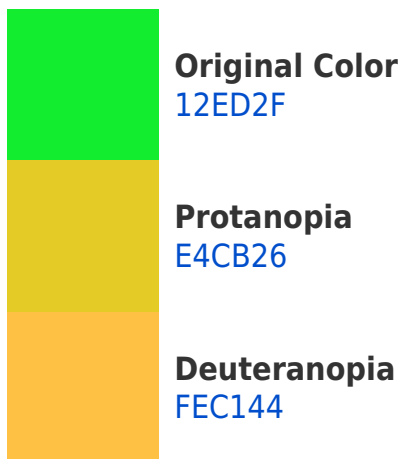


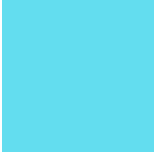
This preview shows how white text looks on a background with the Hex color 12ED2F.

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](#).

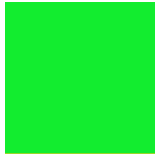
Dichromacy





Tritanopia
63DDEF

Trichromacy



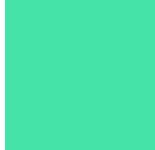
Original Color
12ED2F



Protanomaly
98D729

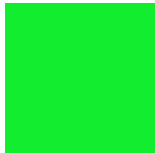


Deuteranomaly
A8D13C



Tritanomaly
46E3A9

Monochromacy



Original Color
12ED2F



Achromatopsia
969696



Achromatomaly
66B671

CSS Examples

Text

The CSS property to change the color of the text to Hex 12ED2F 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 #12ED2F looks like.

```
.text, #text, p{  
    color:#12ED2F  
}
```

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 #12ED2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12ED2F
}
```

Border

The CSS property to change the border of an element to Hex 12ED2F 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
#12ED2F }
```

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

```
.border{ border-color:#12ED2F }
```

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

Here you see how a box with a 4 pixel #12ED2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12ED2F; -webkit-box-shadow:4px 4px  
4px 4px #12ED2F; box-shadow:4px 4px 4px  
4px #12ED2F }
```

Background

The CSS property to change the background color of an element to Hex 12ED2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12ED2F }
```

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

```
.background{ background-color:#12ED2F }
```

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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