

Converting Colors

Hex(12FF46)

Have a look what the booklet for
Hex(12FF46) contains.

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Color

Hex(12FF46)

Conversions

Conversions Part 1

Format	Color
Hex	12FF46
RGB	18, 255, 70
RGB Percent	7%, 100%, 27%
CMY	0.9294, 0.0000, 0.7255
CMYK	0.93, 0.00, 0.73, 0.00
HSL	133°, 100%, 54%
HSV	133°, 93%, 100%
XYZ	37.1149, 72.0908, 17.7531
YIQ	163.0470, -81.8670, -107.7790

Conversions

Conversions Part 2

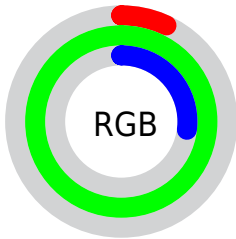
Format	Color
RYB	18, 212, 255
Decimal	1244998
CIELab	88.01, -82.87, 70.07
CIELCh	88, 108.522, 139.784
Yxy	72.0908, 0.2923, 0.5678
Android (android.graphics.Color)	4279435078 (0xFF12FF46)
YUV	163.0470, -45.8722, -127.2062
Hunter-Lab	84.9063, -70.5586, 47.0374

Details

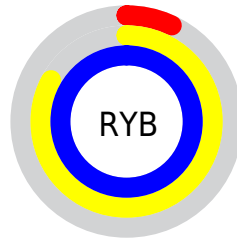
The Hex color **12FF46** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **FF12CB**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **79FF80**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **00FF38**, and if you desaturate by 10%, it is **2CFF5A**.

Distribution



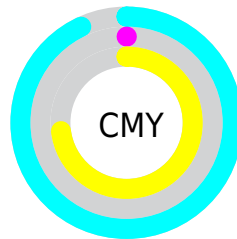
- Red (7%)
- Green (100%)
- Blue (27%)



- Red (7%)
- Yellow (83%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)



- Cyan (93%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12FF46 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 12FF46 by changing the saturation by 10% instead.

 12FF46

 12FF46

FFFFFF

 00E124

 79FF80

 00C400

 9CFF9D

 00A800

 BDFFBA

 008C00

 DEFFD7

 007100

 FEFFF5

 005600

 003D00

 002300

 000000

 12FF46

 12FF46

 00FF38

 2CFF5A

 45FF6E

 5FFF82

 78FF96

 92FFAA

 ABFFBD

 C5FFD1

 DEFFE5

 F8FFF9

Harmonies

Analogous

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



C8EC00



12FF46



00FFB5

Triad

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



12FF46



00F4FF



FF699E

Complementary

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



12FF46



FF12CB

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.



FF67FF



12FF46



79D1FF

Square

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



12FF46



00FFFF



FF9DFF



FF9C39

Rectangle

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



12FF46



00FFFD



FF9DFF



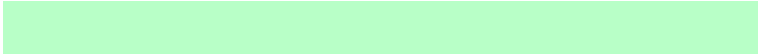
FF5FC0

Sweetspot

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



12FF46



B8FFC7



CCFF12



54805E



000000



808080

Same Dimension

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



12FF46



00FF38



12FFBC



738076



00BF2A



00400E

Inverse Universe

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



FF12CB



FF00C7



FF1255



80737D



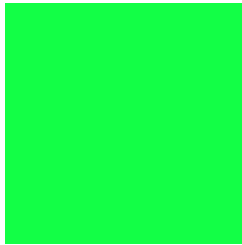
BF0095



400032

Previews

White Background



This preview shows how the Hex color 12FF46 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 12FF46 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 12FF46 Background



This preview shows how black text looks on a background with the Hex color 12FF46.

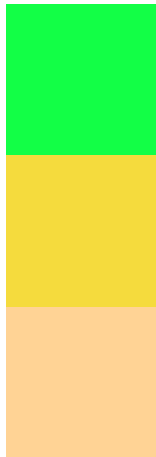


This preview shows how white text looks on a background with the Hex color 12FF46.

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](#).

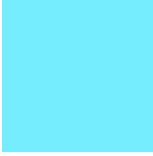
Dichromacy



Original Color
12FF46

Protanopia
F5DB3D

Deuteranopia
FFD395



Tritanopia
75EDFF

Trichromacy



Original Color
12FF46



Protanomaly
A2E840

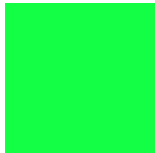


Deuteranomaly
A9E378



Tritanomaly
51F4BC

Monochromacy



Original Color
12FF46



Achromatopsia
A3A3A3



Achromatomaly
6EC481

CSS Examples

Text

The CSS property to change the color of the text to Hex 12FF46 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 #12FF46 looks like.

```
.text, #text, p{  
    color:#12FF46  
}
```

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 #12FF46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12FF46
}
```

Border

The CSS property to change the border of an element to Hex 12FF46 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
#12FF46 }
```

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

```
.border{ border-color:#12FF46 }
```

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

Here you see how a box with a 4 pixel #12FF46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12FF46; -webkit-box-shadow:4px 4px  
4px 4px #12FF46; box-shadow:4px 4px 4px  
4px #12FF46 }
```

Background

The CSS property to change the background color of an element to Hex 12FF46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12FF46 }
```

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

```
.background{ background-color:#12FF46 }
```

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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