

Converting Colors

Hex(00FF37)

Have a look what the booklet for
Hex(00FF37) contains.

Hex(00FF37)	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(00FF37)

Conversions

Conversions Part 1

Format	Color
Hex	00FF37
RGB	0, 255, 55
RGB Percent	0%, 100%, 22%
CMY	1.0000, 0.0000, 0.7843
CMYK	1.00, 0.00, 0.78, 0.00
HSL	133°, 100%, 50%
HSV	133°, 100%, 100%
XYZ	36.4496, 71.7958, 15.5513
YIQ	155.9550, -87.7800, -116.2600

Conversions

Conversions Part 2

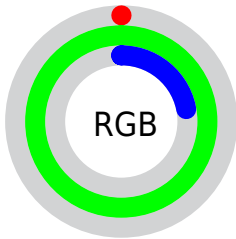
Format	Color
RYB	0, 210, 255
Decimal	65335
CIELab	87.87, -84.45, 74.54
CIELCh	88, 112.645, 138.567
Yxy	71.7958, 0.2944, 0.5799
Android (android.graphics.Color)	4278255415 (0xFF00FF37)
YUV	155.9550, -49.7708, -136.7725
Hunter-Lab	84.7324, -71.4959, 48.4309

Details

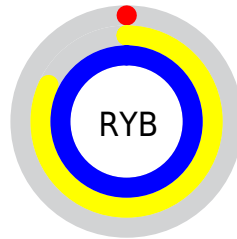
The Hex color **00FF37** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **FF00C8**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **77FF75**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **00FF37**, and if you desaturate by 10%, it is **19FF4B**.

Distribution



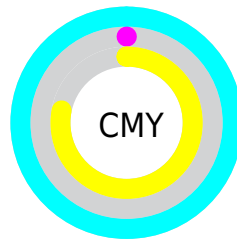
- Red (0%)
- Green (100%)
- Blue (22%)



- Red (0%)
- Yellow (82%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00FF37 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 00FF37 by changing the saturation by 10% instead.

 00FF37

FFFFFF


 77FF75

 9AFF92

 BCFFAF

 DCFFCC

 FDFFEA

 00FF37

 00E105

 00C400

 00A800

 008C00

 007100

 005600

 003D00

 002200


 000000

 00FF37

 19FF4B

 33FF5F

 4DFF73

 66FF87

 80FF9B

 99FFAF

 B3FFC3

 CCFFD7

 E6FFE8

Harmonies

Analogous

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



CAEB00



00FF37



00FFAE

Triad

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



00FF37



00F5FF



FF5C9F

Complementary

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



00FF37



FF00C8

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.



FF5EFF



00FF37



58D2FF

Square

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



00FF37



00FFFF



FF9BFF



FF9535

Rectangle

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



00FF37



00FFF9



FF9BFF



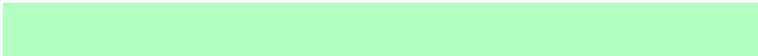
FF51C3

Sweetspot

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



00FF37



B3FFC3



CCFF00



52805B



000000



808080

Same Dimension

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



00FF37



00FFB3



738076



00BF29



00400E

Inverse Universe

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



FF00C8



FF004D



80737D



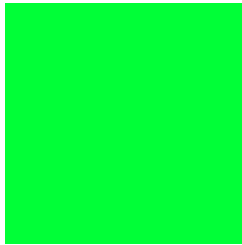
BF0096



400032

Previews

White Background



This preview shows how the Hex color 00FF37 looks on a white background.

Color Contrast Check

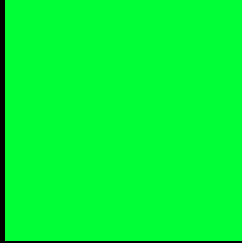
Large Text (above 18pt) WCAG AA × Fail

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 00FF37 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

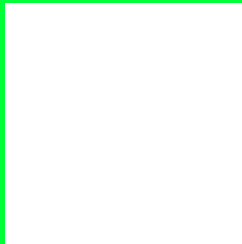
Any Text WCAG AAA ✓ Pass

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

Hex 00FF37 Background



This preview shows how black text looks on a background with the Hex color 00FF37.

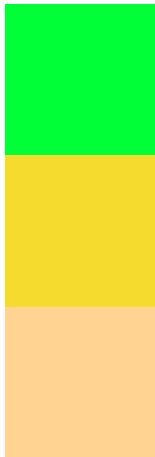


This preview shows how white text looks on a background with the Hex color 00FF37.

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](#).

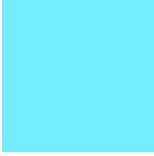
Dichromacy



Original Color
00FF37

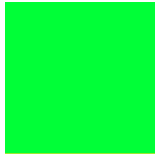
Protanopia
F5DB2E

Deuteranopia
FFD392



Tritanopia
73EDFF

Trichromacy



Original Color
00FF37



Protanomaly
9CE831



Deuteranomaly
A2E371

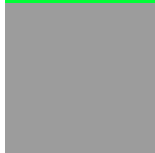


Tritanomaly
49F4B6

Monochromacy



Original Color
00FF37



Achromatopsia
9C9C9C



Achromatomaly
63C077

CSS Examples

Text

The CSS property to change the color of the text to Hex 00FF37 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 #00FF37 looks like.

```
.text, #text, p{  
    color:#00FF37  
}
```

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 #00FF37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00FF37
}
```

Border

The CSS property to change the border of an element to Hex 00FF37 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".

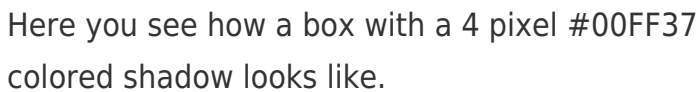
```
.border, #border, table{ border:4px solid
#00FF37 }
```

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

```
.border{ border-color:#00FF37 }
```

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

Here you see how a box with a 4 pixel #00FF37 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00FF37; -webkit-box-shadow:4px 4px  
4px 4px #00FF37; box-shadow:4px 4px 4px  
4px #00FF37 }
```

Background

The CSS property to change the background color of an element to Hex 00FF37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00FF37 }
```

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

```
.background{ background-color:#00FF37 }
```

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