

Converting Colors

Hex(33FF87)

Have a look what the booklet for
Hex(33FF87) contains.

Hex(33FF87)	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(33FF87)

Conversions

Conversions Part 1

Format	Color
Hex	33FF87
RGB	51, 255, 135
RGB Percent	20%, 100%, 53%
CMY	0.8000, 0.0000, 0.4706
CMYK	0.80, 0.00, 0.47, 0.00
HSL	145°, 100%, 60%
HSV	145°, 80%, 100%
XYZ	41.4984, 73.9731, 35.0127
YIQ	180.3240, -83.0640, -80.5680

Conversions

Conversions Part 2

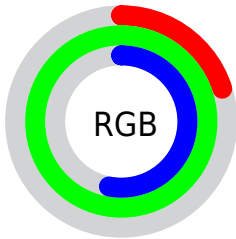
Format	Color
RYB	51, 196, 255
Decimal	3407751
CIELab	88.91, -72.88, 43.86
CIELCh	89, 85.060, 148.961
Yxy	73.9731, 0.2758, 0.4916
Android (android.graphics.Color)	4281597831 (0xFF33FF87)
YUV	180.3240, -22.3447, -113.4171
Hunter-Lab	86.0076, -64.3876, 36.0690

Details

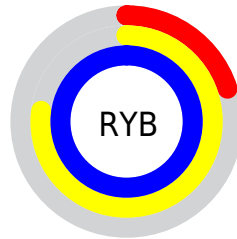
The Hex color **33FF87** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **FF33AB**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **82FFBE**, and **00C553** is the 20% darker color. If you saturate the color by 10%, you get **19FF78**, and if you desaturate by 10%, it is **4DFF96**.

Distribution



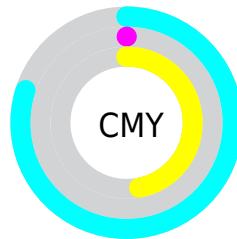
- Red (20%)
- Green (100%)
- Blue (53%)



- Red (20%)
- Yellow (77%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33FF87 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 33FF87 by changing the saturation by 10% instead.

 33FF87

 33FF87

FFFFFF

 00E26D

 82FFBE

 00C553

 A3FFDA

 00A839

 C3FFF7

 008D1F

 E3FFFF

 007200

 005700

 003F00

 002500

 000000

 33FF87

 33FF87

 19FF78

 4DFF96

 00FF69

 66FFA5

 80FFB4

 99FFC3

 B3FFD2

 CCFFE1

 E6FFF0

FFFFFF

Harmonies

Analogous

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



BAF141



33FF87



00FFDA

Triad

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



33FF87



00EAFF



FF9B96

Complementary

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



33FF87



FF33AB

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.



FF90E6



33FF87



D9CBFF

Square

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



33FF87



00DFF



FFA7FF



FFB51

Rectangle

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



33FF87



00FFFF



FFA7FF



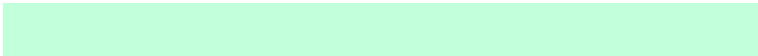
FF94AF

Sweetspot

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



33FF87



C2FFDB



ADFF33



5B806A



000000



808080

Same Dimension

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



33FF87



0AFF6F



33FFEB



738078



00BF4F



00401A

Inverse Universe

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



FF33AB



FF0A9A



FF3347



80737A



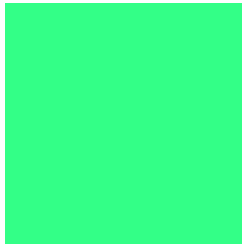
BF0071



400026

Previews

White Background



This preview shows how the Hex color 33FF87 looks on a white background.

Color Contrast Check

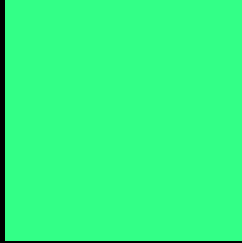
Large Text (above 18pt) WCAG AA × Fail

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 33FF87 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 33FF87 Background



This preview shows how black text looks on a background with the Hex color 33FF87.

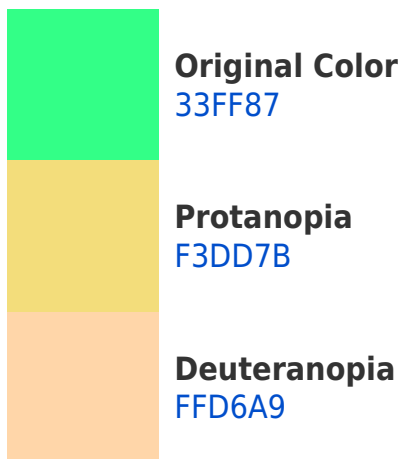


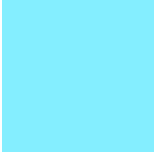
This preview shows how white text looks on a background with the Hex color 33FF87.

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
84EEFF

Trichromacy



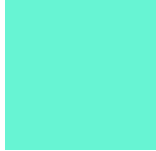
Original Color
33FF87



Protanomaly
ADE97F

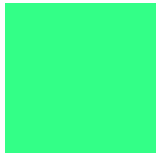


Deuteranomaly
B5E59D

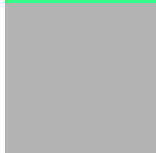


Tritanomaly
67F4D3

Monochromacy



Original Color
33FF87



Achromatopsia
B4B4B4



Achromatomaly
85CFA4

CSS Examples

Text

The CSS property to change the color of the text to Hex 33FF87 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 #33FF87 looks like.

```
.text, #text, p{  
    color:#33FF87  
}
```

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 #33FF87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33FF87
}
```

Border

The CSS property to change the border of an element to Hex 33FF87 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
#33FF87 }
```

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

```
.border{ border-color:#33FF87 }
```

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

Here you see how a box with a 4 pixel #33FF87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33FF87; -webkit-box-shadow:4px 4px  
4px 4px #33FF87; box-shadow:4px 4px 4px  
4px #33FF87 }
```

Background

The CSS property to change the background color of an element to Hex 33FF87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33FF87 }
```

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

```
.background{ background-color:#33FF87 }
```

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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