

# Converting Colors

Hex(33FF9E)

Have a look what the booklet for  
Hex(33FF9E) contains.

|  |    |
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# **Color**

**Hex(33FF9E)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 33FF9E                       |
| RGB         | 51, 255, 158                 |
| RGB Percent | 20%, 100%, 62%               |
| CMY         | 0.8000, 0.0000, 0.3804       |
| CMYK        | 0.80, 0.00, 0.38, 0.00       |
| HSL         | 151°, 100%, 60%              |
| HSV         | 151°, 80%, 100%              |
| XYZ         | 43.2968, 74.6924, 44.4829    |
| YIQ         | 182.9460, -90.4470, -73.4150 |

# Conversions

## Conversions Part 2

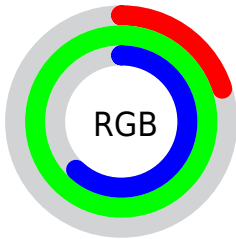
| <b>Format</b>  | <b>Color</b>                                      |
|--|---|
| <a href="#">RYB</a>                                  | <a href="#">51, 185, 255</a>                      |
| Decimal  | <a href="#">3407774</a>                           |
| <a href="#">CIELab</a>                               | <a href="#">89.25, -68.94, 33.06</a>              |
| <a href="#">CIElCh</a>                               | <a href="#">89, 76.458, 154.380</a>               |
| <a href="#">Yxy</a>                                  | <a href="#">74.6924, 0.2665,<br/>0.4597</a>       |
| <a href="#">Android<br/>(android.graphics.Color)</a> | <a href="#">4281597854<br/>(0xFF33FF9E)</a>       |
| <a href="#">YUV</a>                                  | <a href="#">182.9460, -12.2984,<br/>-115.7166</a> |
| <a href="#">Hunter-Lab</a>                           | <a href="#">86.4248, -61.8190,<br/>29.9808</a>    |

# Details

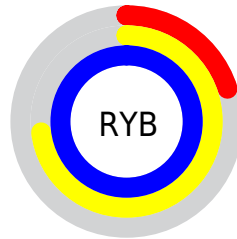
The Hex color **33FF9E** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **FF3394**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **82FFD5**, and **00C56A** is the 20% darker color. If you saturate the color by 10%, you get **19FF92**, and if you desaturate by 10%, it is **4DFFAA**.

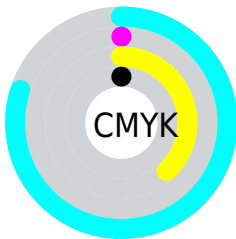
# Distribution



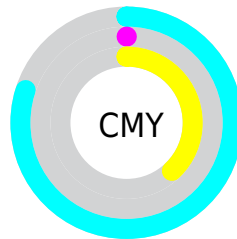
- Red (20%)
- Green (100%)
- Blue (62%)



- Red (20%)
- Yellow (73%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33FF9E 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 33FF9E by changing the saturation by 10% instead.



 33FF9E

 33FF9E

FFFFFF

 00E283

 82FFD5

 00C56A

 A3FFF2

 00A951

 C3FFFF

 008D38

 E3FFFF

 007220

 005806

 003F00

 002600

 000000

 33FF9E

 33FF9E

 19FF92

 4DFFAA

 00FF86

 66FFB6

 80FFC2

 99FFCF

 B3FFDB

 CCFFE7

 E6FFF3

FFFFFF

# Harmonies

## Analogous

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



B2F45F



33FF9E



00FFE9

# Triad

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



33FF9E



50E5FF



FFAA92

# Complementary

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



33FF9E



FF3394

# 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.



FF9DD8



33FF9E



F1C8FF

# Square

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



33FF9E



00F8FF



FFABFF



FFC55A

# Rectangle

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



33FF9E



00FFFF



FFABFF



FFA3A8

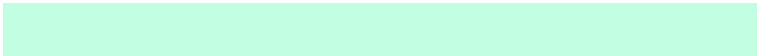


# Sweetspot

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



33FF9E



C2FFE2



96FF33



5B806E



000000



808080



# Same Dimension

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



33FF9E



0AFF8B



33FCFF



738079



00BF64



004021



# Inverse Universe

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



FF3394



FF0A7F



FF3633



807379



BF005B

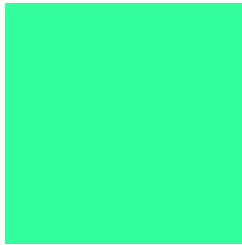


40001E



# Previews

## White Background



This preview shows how the Hex color 33FF9E looks on a white background.

## Color Contrast Check

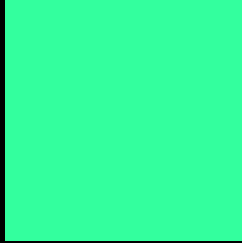
Large Text (above 18pt) WCAG AA × Fail

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 33FF9E looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

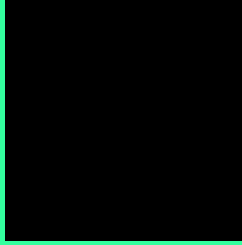
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33FF9E Background



This preview shows how black text looks on a background with the Hex color 33FF9E.

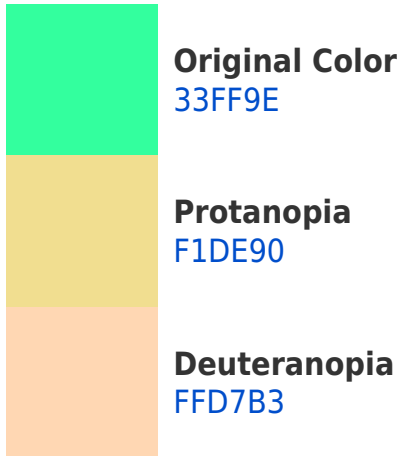


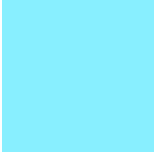
This preview shows how white text looks on a background with the Hex color 33FF9E.

# 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](#).

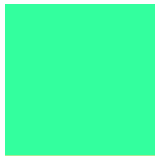
## Dichromacy





**Tritanopia**  
88EFFF

# Trichromacy



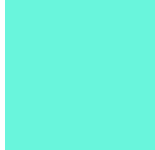
**Original Color**  
33FF9E



**Protanomaly**  
ACEA95



**Deuteranomaly**  
B5E6AB

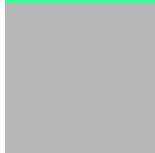


**Tritanomaly**  
69F5DC

# Monochromacy



**Original Color**  
33FF9E



**Achromatopsia**  
B7B7B7



**Achromatomaly**  
87D1AE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33FF9E 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 #33FF9E looks like.

```
.text, #text, p{  
    color:#33FF9E  
}
```

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 #33FF9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33FF9E
}
```

## Border

The CSS property to change the border of an element to Hex 33FF9E 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
#33FF9E }
```

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

```
.border{ border-color:#33FF9E }
```

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

Here you see how a box with a 4 pixel #33FF9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33FF9E; -webkit-box-shadow:4px 4px  
4px 4px #33FF9E; box-shadow:4px 4px 4px  
4px #33FF9E }
```

# Background

The CSS property to change the background color of an element to Hex 33FF9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33FF9E }
```

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

```
.background{ background-color:#33FF9E }
```

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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