

# Converting Colors

Hex(33FF9C)

Have a look what the booklet for  
Hex(33FF9C) contains.

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# Color

Hex(33FF9C)

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF9C
RGB	51, 255, 156
RGB Percent	20%, 100%, 61%
CMY	0.8000, 0.0000, 0.3882
CMYK	0.80, 0.00, 0.39, 0.00
HSL	151°, 100%, 60%
HSV	151°, 80%, 100%
XYZ	43.1260, 74.6241, 43.5834
YIQ	182.7180, -89.8050, -74.0370

# Conversions

## Conversions Part 2

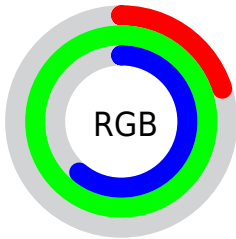
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 186, 255
Decimal	3407772
CIELab	89.22, -69.31, 34.01
CIELCh	89, 77.205, 153.861
Yxy	74.6241, 0.2673, 0.4625
Android (android.graphics.Color)	4281597852 (0xFF33FF9C)
YUV	182.7180, -13.1720, -115.5167
Hunter-Lab	86.3852, -62.0619, 30.5565

# Details

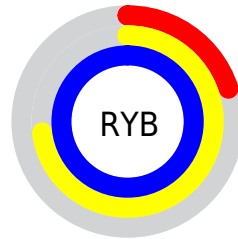
The Hex color **33FF9C** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **FF3396**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **82FFD3**, and **00C568** is the 20% darker color. If you saturate the color by 10%, you get **19FF90**, and if you desaturate by 10%, it is **4DFFA8**.

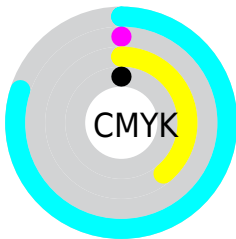
# Distribution



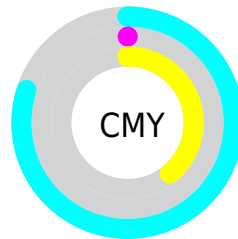
- Red (20%)
- Green (100%)
- Blue (61%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33FF9C 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 33FF9C by changing the saturation by 10% instead.



 33FF9C

 33FF9C

FFFFFF

 00E281

 82FFD3

 00C568

 A3FFF0

 00A94F

 C3FFFF

 008D36

 E3FFFF

 00721E

 005803

 003F00

 002600

 000000

 33FF9C

 33FF9C

 19FF90

 4DFFA8

 00FF83

 66FFB5

 80FFC1

 99FFCE

 B3FFDA

 CCFFE6

 E6FFF3

FFFFFF

# Harmonies

## Analogous

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



B2F35D



33FF9C



00FE8

# Triad

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



33FF9C



45E5FF



FFA892

# Complementary

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



33FF9C



FF3396

# 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.



FF9CDA



33FF9C



EFC9FF

# Square

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



33FF9C



00F9FF



FFAAFF



FFC459

# Rectangle

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



33FF9C



00FFFF



FFAAFF



FFA1A9

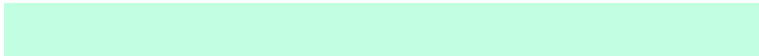


# Sweetspot

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



33FF9C



C2FFE1



99FF33



5B806E



000000



808080



# Same Dimension

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



33FF9C



0AFF88



33FFFF



738079



00BF62



004021



# Inverse Universe

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



FF3396



FF0A81



FF3333



807379



BF005D

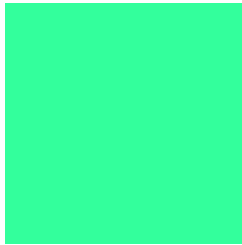


40001F



# Previews

## White Background



This preview shows how the Hex color 33FF9C looks on a white background.

## Color Contrast Check

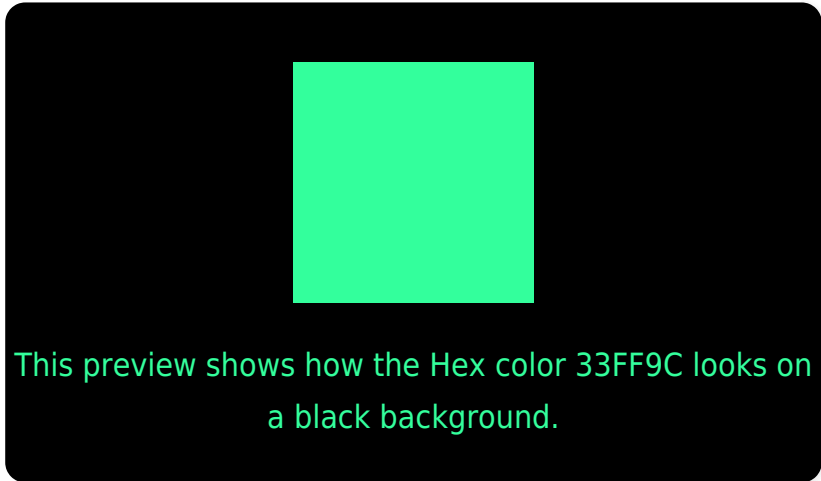
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

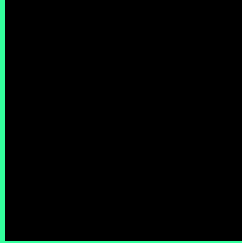
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33FF9C Background



This preview shows how black text looks on a background with the Hex color 33FF9C.

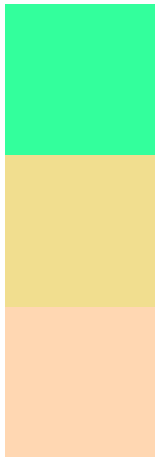


This preview shows how white text looks on a background with the Hex color 33FF9C.

# 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](#).

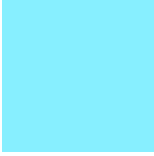
## Dichromacy



**Original Color**  
33FF9C

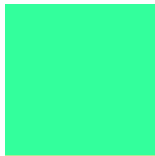
**Protanopia**  
F1DE8F

**Deuteranopia**  
FFD7B2



**Tritanopia**  
87EFFF

# Trichromacy



**Original Color**  
33FF9C



**Protanomaly**  
ACEA94



**Deuteranomaly**  
B5E6AA

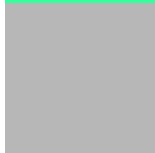


**Tritanomaly**  
68F5DB

# Monochromacy



**Original Color**  
33FF9C



**Achromatopsia**  
B7B7B7



**Achromatomaly**  
87D1AD

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33FF9C 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 #33FF9C looks like.

```
.text, #text, p{  
    color:#33FF9C  
}
```

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 #33FF9C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33FF9C
}
```

## Border

The CSS property to change the border of an element to Hex 33FF9C 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
#33FF9C }
```

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

```
.border{ border-color:#33FF9C }
```

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

Here you see how a box with a 4 pixel #33FF9C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33FF9C; -webkit-box-shadow:4px 4px  
4px 4px #33FF9C; box-shadow:4px 4px 4px  
4px #33FF9C }
```

# Background

The CSS property to change the background color of an element to Hex 33FF9C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33FF9C }
```

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

```
.background{ background-color:#33FF9C }
```

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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