

# Converting Colors

Hex(31FFCC)

Have a look what the booklet for  
Hex(31FFCC) contains.

<b>Hex(31FFCC)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(31FFCC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31FFCC
RGB	49, 255, 204
RGB Percent	19%, 100%, 80%
CMY	0.8078, 0.0000, 0.2000
CMYK	0.81, 0.00, 0.20, 0.00
HSL	165°, 100%, 60%
HSV	165°, 81%, 100%
XYZ	47.9257, 76.5326, 69.3731
YIQ	187.5920, -106.4050, -59.5330

# Conversions

## Conversions Part 2

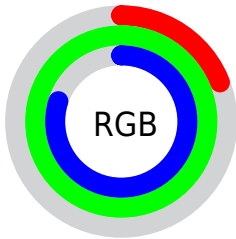
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 167, 255
Decimal	3276748
CIELab	90.11, -59.39, 10.84
CIELCh	90, 60.369, 169.652
Yxy	76.5326, 0.2473, 0.3948
Android (android.graphics.Color)	4281466828 (0xFF31FFCC)
YUV	187.5920, 8.0891, -121.5452
Hunter-Lab	87.4829, -55.3076, 14.2217

# Details

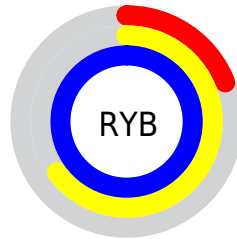
The Hex color **31FFCC** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **FF3164**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **82FFFF**, and **00C596** is the 20% darker color. If you saturate the color by 10%, you get **18FFC6**, and if you desaturate by 10%, it is **4BFFD2**.

# Distribution



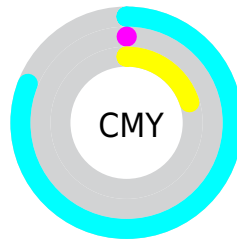
- Red (19%)
- Green (100%)
- Blue (80%)



- Red (19%)
- Yellow (65%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (81%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31FFCC 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 31FFCC by changing the saturation by 10% instead.



 31FFCC

 31FFCC

FFFFFF

 00E2B1

 82FFFF

 00C596

 A3FFFF

 00A97C

 C4FFFF

 008E63

 E4FFFF

 00734B

 005934

 00401F

 002808

 000100

 31FFCC

 31FFCC

 18FFC6

 4BFFD2

 00FFC0

 64FFD9

 7EFFFDF

 97FFE5

 B1FFEC

 CAFFF2

 E4FFF8

FDFFFF

FFFFFF

# Harmonies

## Analogous

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



9DF895



31FFCC



00FFFF

# Triad

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



31FFCC



C7DBFF



FFC38D

# Complementary

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



31FFCC



FF3164

# 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.



FFB4BF



31FFCC



FFC5FF

# Square

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



31FFCC



40EFFF



FFB5F9



FFD86F

# Rectangle

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



31FFCC



00DFFF



FFB5F9



FFBD9C

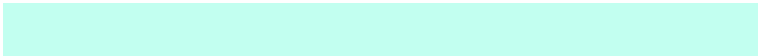


# Sweetspot

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



31FFCC



C2FFF0



64FF31



5B8076



000000



808080



# Same Dimension

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



31FFCC



08FFC2



31CCFF



73807C



00BF90



004030



# Inverse Universe

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



FF3164



FF0845



FF6431



807376



BF002F

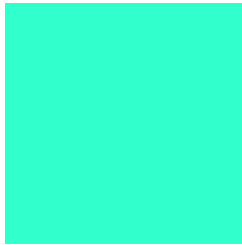


400010



# Previews

## White Background



This preview shows how the Hex color 31FFCC 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

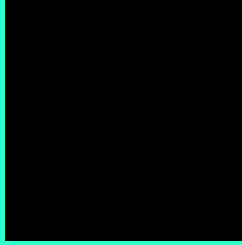
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 31FFCC Background



This preview shows how black text looks on a background with the Hex color 31FFCC.

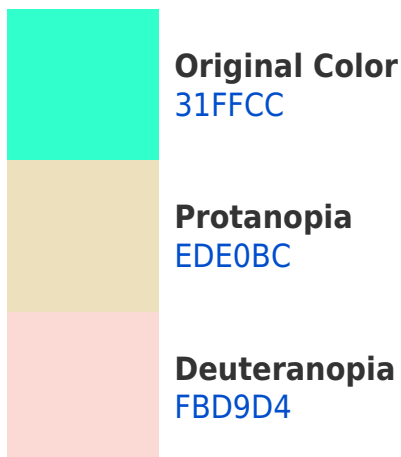


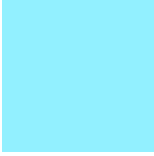
This preview shows how white text looks on a background with the Hex color 31FFCC.

# 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](#).

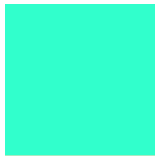
## Dichromacy



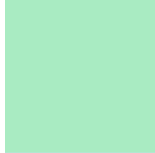


**Tritanopia**  
92F0FF

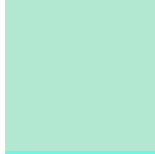
# Trichromacy



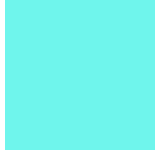
**Original Color**  
31FFCC



**Protanomaly**  
A9EBC2



**Deuteranomaly**  
B2E7D1

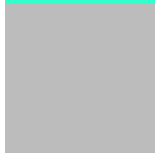


**Tritanomaly**  
6FF5EC

# Monochromacy



**Original Color**  
31FFCC



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
89D4C2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31FFCC 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 #31FFCC looks like.

```
.text, #text, p{  
    color:#31FFCC  
}
```

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 #31FFCC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31FFCC  
}
```

## Border

The CSS property to change the border of an element to Hex 31FFCC 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  
#31FFCC }
```

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

```
.border{ border-color:#31FFCC }
```

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

Here you see how a box with a 4 pixel #31FFCC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31FFCC; -webkit-box-shadow:4px 4px  
4px 4px #31FFCC; box-shadow:4px 4px 4px  
4px #31FFCC }
```

# Background

The CSS property to change the background color of an element to Hex 31FFCC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31FFCC }
```

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

```
.background{ background-color:#31FFCC }
```

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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