

# Converting Colors

Hex(33FFDD)

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

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# Color

Hex(**33FFDD**)

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFDD
RGB	51, 255, 221
RGB Percent	20%, 100%, 87%
CMY	0.8000, 0.0000, 0.1333
CMYK	0.80, 0.00, 0.13, 0.00
HSL	170°, 100%, 60%
HSV	170°, 80%, 100%
XYZ	50.1764, 77.4443, 80.7103
YIQ	190.1280, -110.6700, -53.8220

# Conversions

## Conversions Part 2

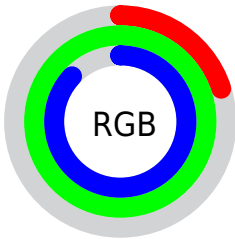
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 162, 255
Decimal	3407837
CIELab	90.53, -55.06, 2.66
CIELCh	91, 55.125, 177.232
Yxy	77.4443, 0.2408, 0.3717
Android (android.graphics.Color)	4281597917 (0xFF33FFDD)
YUV	190.1280, 15.2199, -122.0153
Hunter-Lab	88.0024, -52.2288, 7.2246

# Details

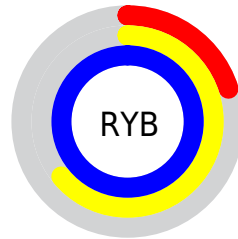
The Hex color **33FFDD** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **FF3355**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **84FFFF**, and **00C5A6** is the 20% darker color. If you saturate the color by 10%, you get **19FFD9**, and if you desaturate by 10%, it is **4DFFE1**.

# Distribution



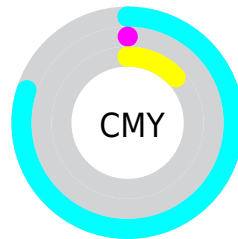
- Red (20%)
- Green (100%)
- Blue (87%)



- Red (20%)
- Yellow (64%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (13%)

# Brightness & Saturation Gradients

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



 33FFDD

 33FFDD

FFFFFF

 00E2C1

 84FFFF

 00C5A6

 A5FFFF

 00A98C

 C6FFFF

 008E72

 E6FFFF

 00735A

 005942

 00402C

 002A18

 000400

 33FFDD

 33FFDD

 19FFD9

 4DFFE1

 00FFD4

 66FFE5

 80FFEA

 99FFEE

 B3FFF2

 CCFFF6

 E6FFFB

FFFFFF

# Harmonies

## Analogous

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



94FAA9



33FFDD



00FFFF

# Triad

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



33FFDD



E1D8FF



FFCC8C

# Complementary

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



33FFDD



FF3355

# 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.



FFBDB6



33FFDD



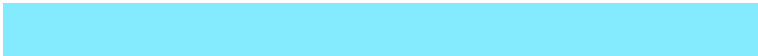
FFC5FF

# Square

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



33FFDD



84EBFF



FFB9EB



FFDF79

# Rectangle

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



33FFDD



00BFFF



FFB9EB



FFC699



# Sweetspot

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



33FFDD



C2FFF5



55FF33



5B8079



000000



808080



# Same Dimension

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



33FFDD



0AFFD6



33BBFF



73807D



00BF9F



004035



# Inverse Universe

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



FF3355



FF0A33



FF7733



807375



BF0020

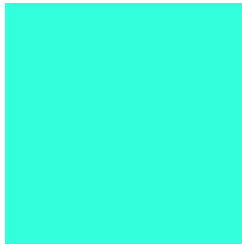


40000B



# Previews

## White Background



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

## Color Contrast Check

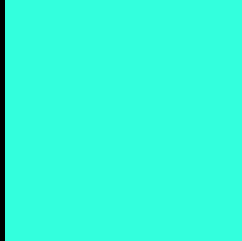
Large Text (above 18pt) WCAG AA × Fail

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 33FFDD 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

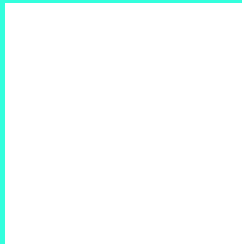
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33FFDD Background



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

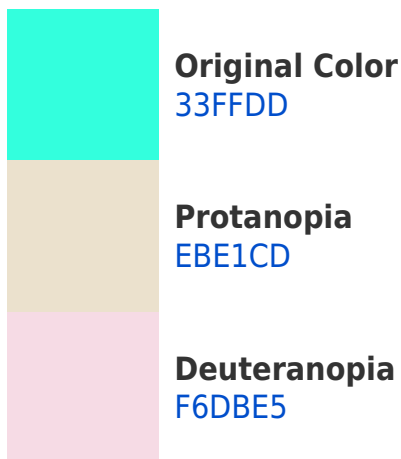


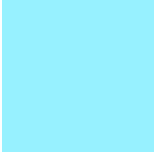
This preview shows how white text looks on a background with the Hex color 33FFDD.

# 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



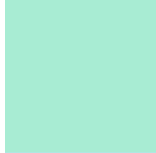


**Tritanopia**  
97F1FF

# Trichromacy



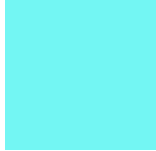
**Original Color**  
33FFDD



**Protanomaly**  
A8ECD3

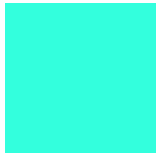


**Deuteranomaly**  
AFE8E2

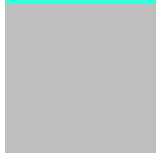


**Tritanomaly**  
73F6F3

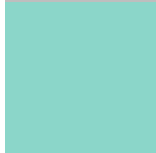
# Monochromacy



**Original Color**  
33FFDD



**Achromatopsia**  
BEBEBE



**Achromatomaly**  
8BD6C9

# CSS Examples

## Text

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

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

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 #33FFDD colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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