

Converting Colors

Hex(33FFDE)

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

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Color

Hex(33FFDE)

Conversions

Conversions Part 1

Format	Color
Hex	33FFDE
RGB	51, 255, 222
RGB Percent	20%, 100%, 87%
CMY	0.8000, 0.0000, 0.1294
CMYK	0.80, 0.00, 0.13, 0.00
HSL	170°, 100%, 60%
HSV	170°, 80%, 100%
XYZ	50.3101, 77.4977, 81.4142
YIQ	190.2420, -110.9910, -53.5110

Conversions

Conversions Part 2

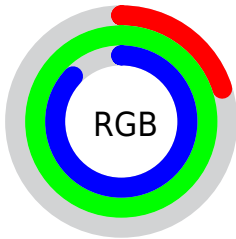
Format	Color
RYB	51, 162, 255
Decimal	3407838
CIELab	90.55, -54.81, 2.18
CIELCh	91, 54.852, 177.723
Yxy	77.4977, 0.2405, 0.3704
Android (android.graphics.Color)	4281597918 (0xFF33FFDE)
YUV	190.2420, 15.6567, -122.1152
Hunter-Lab	88.0328, -52.0460, 6.7906

Details

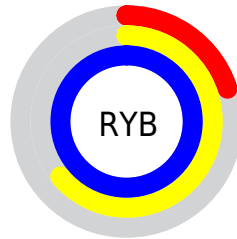
The Hex color **33FFDE** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **FF3354**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **84FFFF**, and **00C5A7** is the 20% darker color. If you saturate the color by 10%, you get **19FFDA**, and if you desaturate by 10%, it is **4DFFE2**.

Distribution



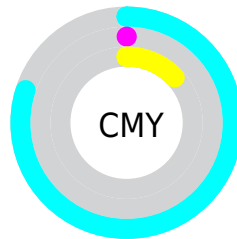
- Red (20%)
- Green (100%)
- Blue (87%)



- 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 33FFDE 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 33FFDE by changing the saturation by 10% instead.

 33FFDE

 33FFDE

FFFFFF

 00E2C2

 84FFFF

 00C5A7

 A5FFFF

 00A98D

 C6FFFF

 008E73

 E6FFFF

 00735B

 005943

 00402D

 002A19

 000400

 33FFDE

 33FFDE

 19FFDA

 4DFFE2

 00FFD6

 66FFE6

 80FFEA

 99FFEF

 B3FFF3

 CCFFF7

 E6FFFB

FFFFFF

Harmonies

Analogous

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



93FAAA



33FFDE



00FEFF

Triad

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



33FFDE



E3D8FF



FFCD8C

Complementary

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



33FFDE



FF3354

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



33FFDE



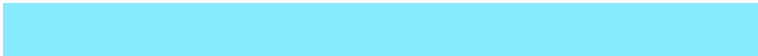
FFC5FF

Square

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



33FFDE



87EAFF



FFBAEA



FFE079

Rectangle

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



33FFDE



00FBFF



FFBAEA



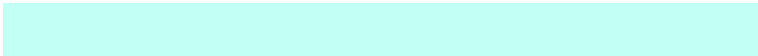
FFC798

Sweetspot

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



33FFDE



C2FFF5



55FF33



5B807A



000000



808080

Same Dimension

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



33FFDE



0AFFD7



33BBFF



73807D



00BFA0



004035

Inverse Universe

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



FF3354



FF0A32



FF7733



807375



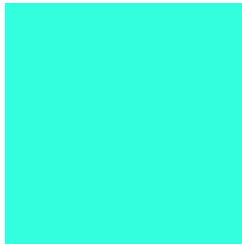
BF001F



40000A

Previews

White Background



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

Color Contrast Check

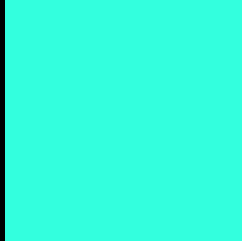
Large Text (above 18pt) WCAG AA × Fail

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 33FFDE 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

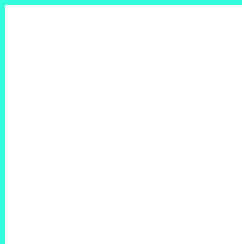
Any Text WCAG AAA ✓ Pass

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

Hex 33FFDE Background



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

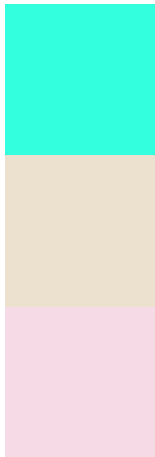


This preview shows how white text looks on a background with the Hex color 33FFDE.

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](#).

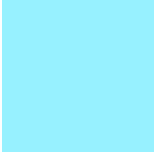
Dichromacy



Original Color
33FFDE

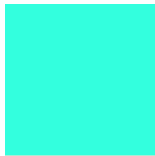
Protanopia
EBE1CE

Deuteranopia
F6DBE6

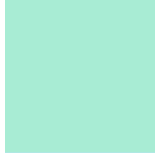


Tritanopia
97F1FF

Trichromacy



Original Color
33FFDE



Protanomaly
A8ECD4



Deuteranomaly
AFE8E3

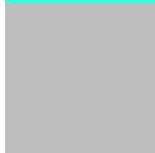


Tritanomaly
73F6F3

Monochromacy



Original Color
33FFDE



Achromatopsia
BEBEBE



Achromatomaly
8BD6CA

CSS Examples

Text

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

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

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 #33FFDE colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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