

# Converting Colors

Hex(33D7F0)

Have a look what the booklet for  
Hex(33D7F0) contains.

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# **Color**

**Hex(33D7F0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33D7F0
RGB	51, 215, 240
RGB Percent	20%, 84%, 94%
CMY	0.8000, 0.1569, 0.0588
CMYK	0.79, 0.10, 0.00, 0.06
HSL	188°, 86%, 57%
HSV	188°, 79%, 94%
XYZ	41.3939, 55.5960, 90.9875
YIQ	168.8140, -105.7690, -26.9930

# Conversions

## Conversions Part 2

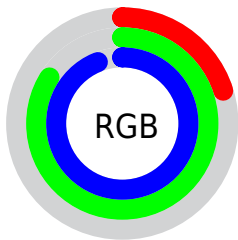
Format	Color
<a href="#">RYB</a>	<a href="#">51, 139, 240</a>
Decimal	<a href="#">3397616</a>
CIELab	<a href="#">79.38, -32.14, -23.93</a>
CIELCh	<a href="#">79, 40.067, 216.668</a>
Yxy	<a href="#">55.5960, 0.2202, 0.2958</a>
Android (android.graphics.Color)	<a href="#">4281587696 (0xFF33D7F0)</a>
YUV	<a href="#">168.8140, 35.0947, -103.3229</a>
Hunter-Lab	<a href="#">74.5627, -31.3895, -20.1566</a>

# Details

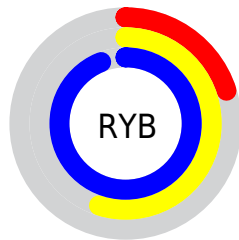
The Hex color **33D7F0** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **F04C33**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **80FFFF**, and **00A0B8** is the 20% darker color. If you saturate the color by 10%, you get **1BD4F0**, and if you desaturate by 10%, it is **4BDAF0**.

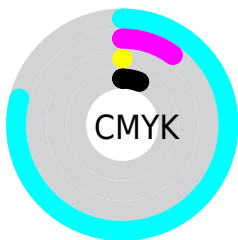
# Distribution



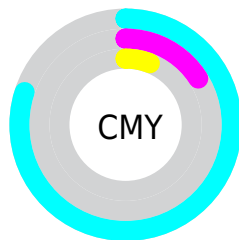
- Red (20%)
- Green (84%)
- Blue (94%)



- Red (20%)
- Yellow (55%)
- Blue (94%)



- Cyan (79%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (80%)
- Magenta (16%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33D7F0 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 33D7F0 by changing the saturation by 10% instead.



 33D7F0

 33D7F0

FFFFFF

 00BBD4

 80FFFF

 00A0B8

 A1FFFF

 00859D

 C1FFFF

 006C83

 E0FFFF

 00536A

 003B51

 00263A

 000225

 00010D

 33D7F0

 33D7F0

 1BD4F0

 4BD4F0

 03D1F0

 63DDF0

 00D0F0

 7BE1F0

 93E4F0

 ABE7F0

 C3EAF0

 DBEDF0

 F3F0F0

 FFF4F0

# Harmonies

## Analogous

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



4FD9CC



33D7F0



5FD0FF

# Triad

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



33D7F0



FBACE3



D5C57A

# Complementary

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



33D7F0



F04C33

# 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.



F6B881



33D7F0



FFA8BE

# Square

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



33D7F0



D4B8FF



FFAD9A



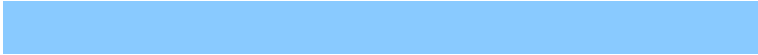
ADD088

# Rectangle

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



33D7F0



89CAFF



FFAD9A



E1C17A

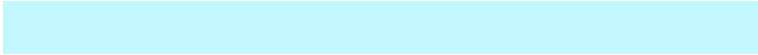


# Sweetspot

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



33D7F0



C2F7FF



33F049



5B7B80



000000



808080

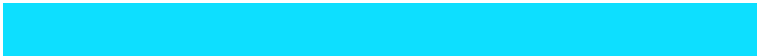


# Same Dimension

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



33D7F0



0DDFFF



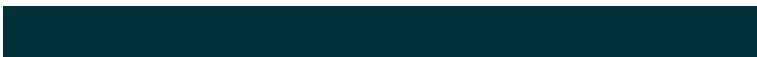
337BF0



6C7678



009FB8



003138



# Inverse Universe

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



F033D7



FF0DDF



F0A833



786C76



B8009F

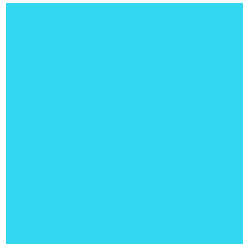


380031



# Previews

## White Background



This preview shows how the Hex color 33D7F0 looks on a white background.

## Color Contrast Check

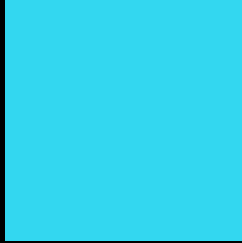
Large Text (above 18pt) WCAG AA × Fail

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 33D7F0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

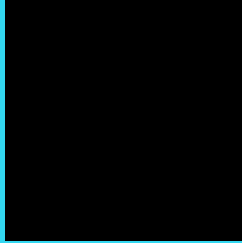
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33D7F0 Background



This preview shows how black text looks on a background with the Hex color 33D7F0.

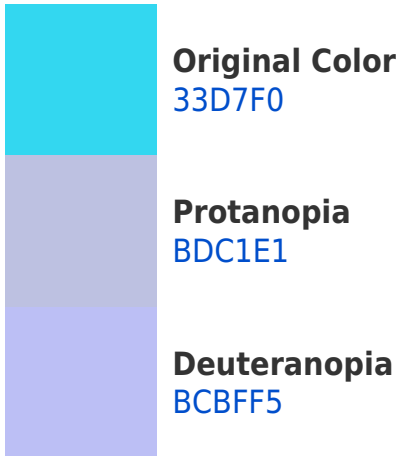


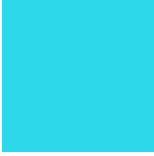
This preview shows how white text looks on a background with the Hex color 33D7F0.

# 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](#).

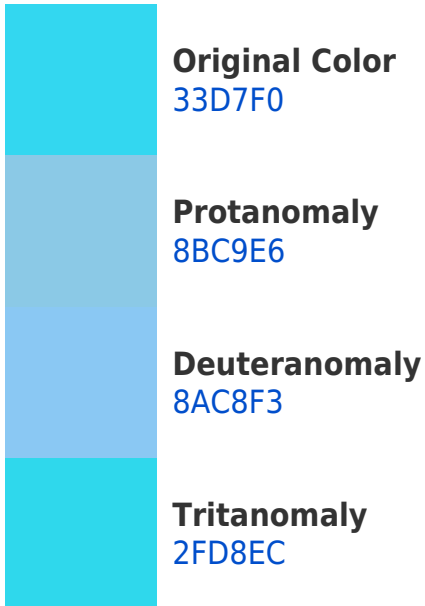
## Dichromacy



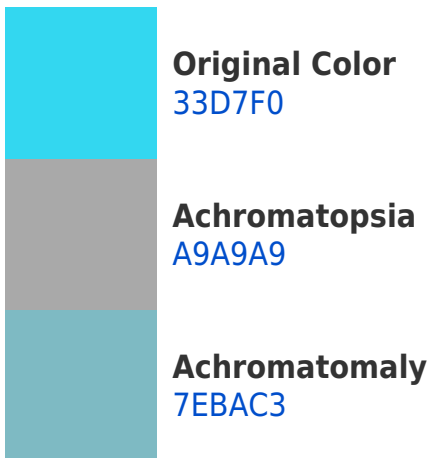


**Tritanopia**  
2DD8EA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33D7F0 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 #33D7F0 looks like.

```
.text, #text, p{  
    color:#33D7F0  
}
```

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 #33D7F0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33D7F0
}
```

## Border

The CSS property to change the border of an element to Hex 33D7F0 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
#33D7F0 }
```

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

```
.border{ border-color:#33D7F0 }
```

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

Here you see how a box with a 4 pixel #33D7F0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33D7F0; -webkit-box-shadow:4px 4px  
4px 4px #33D7F0; box-shadow:4px 4px 4px  
4px #33D7F0 }
```

# Background

The CSS property to change the background color of an element to Hex 33D7F0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33D7F0 }
```

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

```
.background{ background-color:#33D7F0 }
```

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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