

Converting Colors

Hex(33D0E8)

Have a look what the booklet for
Hex(33D0E8) contains.

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Color

Hex(33D0E8)

Conversions

Conversions Part 1

Format	Color
Hex	33D0E8
RGB	51, 208, 232
RGB Percent	20%, 82%, 91%
CMY	0.8000, 0.1843, 0.0902
CMYK	0.78, 0.10, 0.00, 0.09
HSL	188°, 80%, 55%
HSV	188°, 78%, 91%
XYZ	38.4866, 51.6418, 84.2833
YIQ	163.7930, -101.2760, -25.8200

Conversions

Conversions Part 2

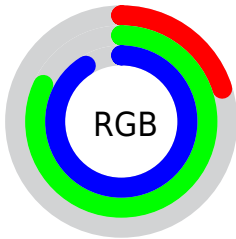
Format	Color
RYB	51, 135, 232
Decimal	3395816
CIELab	77.07, -31.24, -23.18
CIELCh	77, 38.898, 216.572
Yxy	51.6418, 0.2207, 0.2961
Android (android.graphics.Color)	4281585896 (0xFF33D0E8)
YUV	163.7930, 33.6261, -98.9195
Hunter-Lab	71.8622, -30.1612, -19.2345

Details

The Hex color **33D0E8** 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 **E84B33**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **7FFFFFFF**, and **0099B0** is the 20% darker color. If you saturate the color by 10%, you get **1CCDE8**, and if you desaturate by 10%, it is **4AD3E8**.

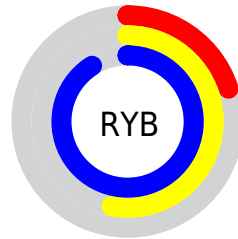
Distribution



Red (20%)

Green (82%)

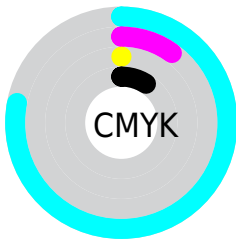
Blue (91%)



Red (20%)

Yellow (53%)

Blue (91%)

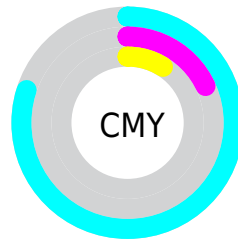


Cyan (78%)

Magenta (10%)

Yellow (0%)

Black (9%)



Cyan (80%)

Magenta (18%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33D0E8 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 33D0E8 by changing the saturation by 10% instead.

 33D0E8

 33D0E8

FFFFFF

 00B4CC

 7FFFFFFF

 0099B0

 9FFFFFFF

 007F96

 BEFFFF

 00657C


 DDFFFF

 004D63

 FDFFFF

 00354B

 002234

 00021F

 000002

 33D0E8

 33D0E8

 1CCDE8

 4AD3E8

 05CAE8

 61D6E8

 00C9E8

 79D9E8

 90DCE8

 A7DFE8

 BEE2E8

 D5E6E8

 EDE9E8

 FFECE8

Harmonies

Analogous

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



4ED2C5



33D0E8



5CCAFF

Triad

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



33D0E8



F2A7DC



CFBF76

Complementary

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



33D0E8



E84B33

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.



EEB27D



33D0E8



FFA2B8

Square

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



33D0E8



CDB2F8



FFA795



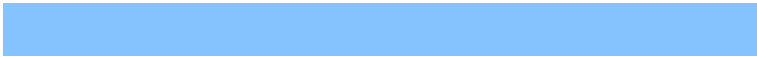
A8C983

Rectangle

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



33D0E8



84C3FF



FFA795



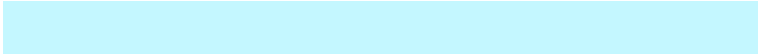
DABB76

Sweetspot

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



33D0E8



C4F7FF



33E848



5C7B80



000000



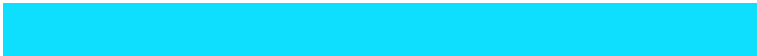
808080

Same Dimension

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



33D0E8



0FDFFF



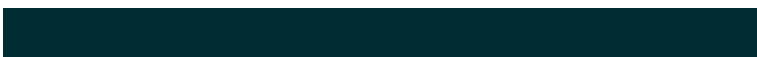
3378E8



677173



009BB3



002C33

Inverse Universe

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



E833D0



FF0FDF



E8A333



736771



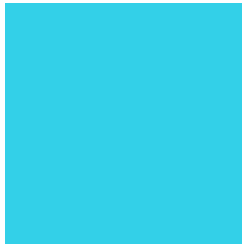
B3009B



33002C

Previews

White Background



This preview shows how the Hex color 33D0E8 looks on a white background.

Color Contrast Check

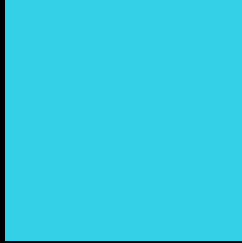
Large Text (above 18pt) WCAG AA × Fail

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 33D0E8 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 33D0E8 Background



This preview shows how black text looks on a background with the Hex color 33D0E8.

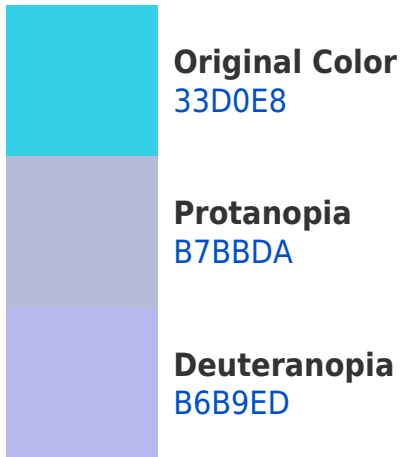


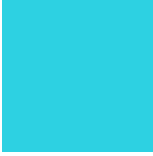
This preview shows how white text looks on a background with the Hex color 33D0E8.

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



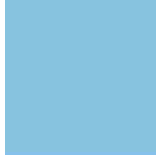


Tritanopia
2DD1E2

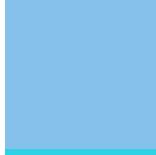
Trichromacy



Original Color
33D0E8



Protanomaly
87C3DF



Deuteranomaly
86C1EB

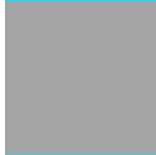


Tritanomaly
2FD1E4

Monochromacy



Original Color
33D0E8



Achromatopsia
A4A4A4



Achromatomaly
7BB4BD

CSS Examples

Text

The CSS property to change the color of the text to Hex 33D0E8 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 #33D0E8 looks like.

```
.text, #text, p{  
    color:#33D0E8  
}
```

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 #33D0E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33D0E8  
}
```

Border

The CSS property to change the border of an element to Hex 33D0E8 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  
#33D0E8 }
```

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

```
.border{ border-color:#33D0E8 }
```

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

Here you see how a box with a 4 pixel #33D0E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33D0E8; -webkit-box-shadow:4px 4px  
4px 4px #33D0E8; box-shadow:4px 4px 4px  
4px #33D0E8 }
```

Background

The CSS property to change the background color of an element to Hex 33D0E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33D0E8 }
```

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

```
.background{ background-color:#33D0E8 }
```

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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