

Converting Colors

Hex(33D7B1)

Have a look what the booklet for
Hex(33D7B1) contains.

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Color

Hex(33D7B1)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 33D7B1 |
| RGB | 51, 215, 177 |
| RGB Percent | 20%, 84%, 69% |
| CMY | 0.8000, 0.1569, 0.3059 |
| CMYK | 0.76, 0.00, 0.18, 0.16 |
| HSL | 166°, 67%, 52% |
| HSV | 166°, 76%, 84% |
| XYZ | 33.6015, 52.4790, 49.9535 |
| YIQ | 161.6320, -85.5460, -46.5860 |

Conversions

Conversions Part 2

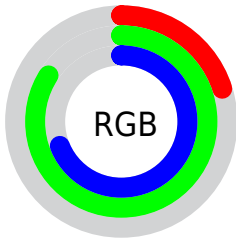
| Format | Color |
|-------------------------------------|--|
| RYB | 51, 144, 215 |
| Decimal | 3397553 |
| CIELab | 77.57, -49.76, 7.07 |
| CIELCh | 78, 50.259, 171.914 |
| Yxy | 52.4790, 0.2470, 0.3858 |
| Android (android.graphics.Color) | 4281587633 (0xFF33D7B1) |
| YUV | 161.6320, 7.5764, -97.0243 |
| Hunter-Lab | 72.4424, -43.9792, 9.8256 |

Details

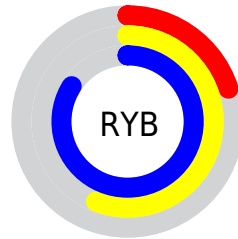
The Hex color **33D7B1** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **D73359**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **7BFFE9**, and **009F7C** is the 20% darker color. If you saturate the color by 10%, you get **1ED7AC**, and if you desaturate by 10%, it is **49D7B6**.

Distribution



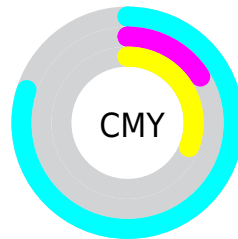
- Red (20%)
- Green (84%)
- Blue (69%)



- Red (20%)
- Yellow (56%)
- Blue (84%)



- Cyan (76%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)



- Cyan (80%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33D7B1 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 33D7B1 by changing the saturation by 10% instead.



33D7B1



33D7B1

FFFFFF



00BB96



7BFFE9



009F7C



9AFFFF



008464



B9FFFF



006A4C



D7FFFF



005135



F6FFFF



003820



002209



000000



33D7B1



33D7B1

■ 1ED7AC

■ 49D7B6

■ 08D7A7

■ 5ED7BB

■ 00D7A5

■ 74D7C0

■ 89D7C5

■ 9FD7CA

■ B4D7CF

■ CAD7D4

■ DFD7D9

■ F5D7DE

Harmonies

Analogous

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



84D284



33D7B1



00D7E1

Triad

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



33D7B1



B0B8FF



FFA878

Complementary

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



33D7B1



D73359

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.



FF9B9F



33D7B1



EDA7FA

Square

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



33D7B1



54C8FF



FF9BCE



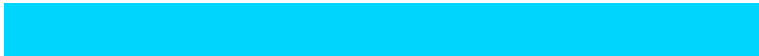
E7B962

Rectangle

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



33D7B1



00D5FD



FF9BCE



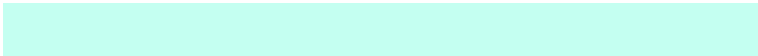
FFA384

Sweetspot

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



33D7B1



C4FFF1



59D733



5C8077



000000



808080

Same Dimension

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



33D7B1



14FFC9



33ABD7



606B69



00AB83



002B21

Inverse Universe

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



D73359



FF144B



D75F33



6B6063



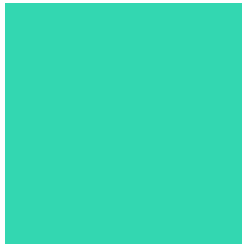
AB0028



2B000A

Previews

White Background



This preview shows how the Hex color 33D7B1 looks on a white background.

Color Contrast Check

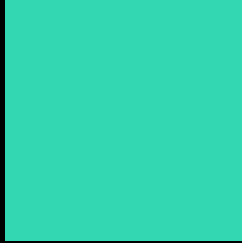
Large Text (above 18pt) WCAG AA × Fail

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 33D7B1 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

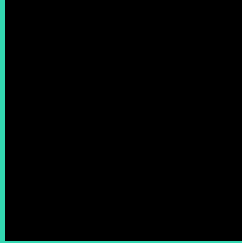
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

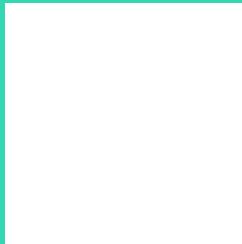
Any Text WCAG AAA ✓ Pass

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

Hex 33D7B1 Background



This preview shows how black text looks on a background with the Hex color 33D7B1.

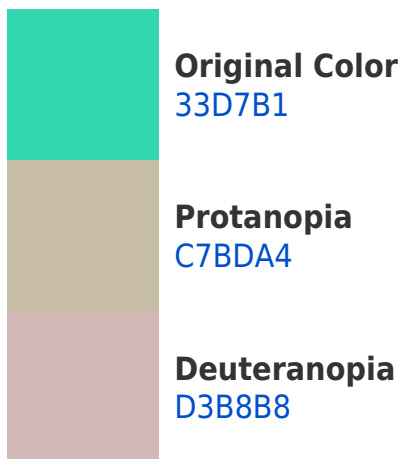


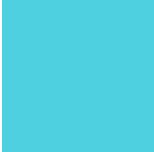
This preview shows how white text looks on a background with the Hex color 33D7B1.

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](#).

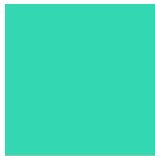
Dichromacy





Tritanopia
4ED0E1

Trichromacy



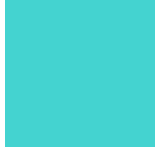
Original Color
33D7B1



Protanomaly
91C6A9



Deuteranomaly
99C3B5



Tritanomaly
44D3D0

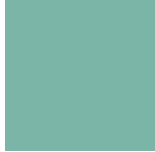
Monochromacy



Original Color
33D7B1



Achromatopsia
A2A2A2



Achromatomaly
7AB5A7

CSS Examples

Text

The CSS property to change the color of the text to Hex 33D7B1 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 #33D7B1 looks like.

```
.text, #text, p{  
    color:#33D7B1  
}
```

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 #33D7B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33D7B1
}
```

Border

The CSS property to change the border of an element to Hex 33D7B1 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
#33D7B1 }
```

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

```
.border{ border-color:#33D7B1 }
```

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

Here you see how a box with a 4 pixel #33D7B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33D7B1; -webkit-box-shadow:4px 4px  
4px 4px #33D7B1; box-shadow:4px 4px 4px  
4px #33D7B1 }
```

Background

The CSS property to change the background color of an element to Hex 33D7B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33D7B1 }
```

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

```
.background{ background-color:#33D7B1 }
```

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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