

Converting Colors

Hex(33DAE3)

Have a look what the booklet for
Hex(33DAE3) contains.

| | |
|--|----|
| Hex(33DAE3) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

Hex(33DAE3)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33DAE3 |
| RGB | 51, 218, 227 |
| RGB Percent | 20%, 85%, 89% |
| CMY | 0.8000, 0.1451, 0.1098 |
| CMYK | 0.78, 0.04, 0.00, 0.11 |
| HSL | 183°, 76%, 55% |
| HSV | 183°, 78%, 89% |
| XYZ | 40.3018, 56.3927, 81.4338 |
| YIQ | 169.0930, -102.4210, -32.6050 |

Conversions

Conversions Part 2

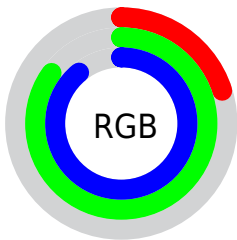
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 51, 137, 227 |
| Decimal | 3398371 |
| CIELab | 79.84, -37.46, -16.31 |
| CIELCh | 80, 40.851, 203.527 |
| Yxy | 56.3927, 0.2263, 0.3166 |
| Android (android.graphics.Color) | 4281588451 (0xFF33DAE3) |
| YUV | 169.0930, 28.5482, -103.5676 |
| Hunter-Lab | 75.0951, -35.6195, -11.7281 |

Details

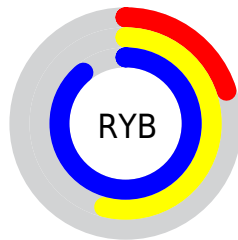
The Hex color **33DAE3** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **E33C33**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **7FFFFFFF**, and **00A2AC** is the 20% darker color. If you saturate the color by 10%, you get **1CD9E3**, and if you desaturate by 10%, it is **4ADBE3**.

Distribution



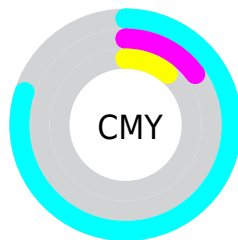
- Red (20%)
- Green (85%)
- Blue (89%)



- Red (20%)
- Yellow (54%)
- Blue (89%)



- Cyan (78%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (80%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33DAE3 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 33DAE3 by changing the saturation by 10% instead.

 33DAE3

 33DAE3

FFFFFF

 00BEC7

 7FFFFFFF

 00A2AC

 9FFFFFFF

 008891

 BFFFFFFF


 006E77

 DEFFFFFF

 00555F

FEFFFF

 003D47

 002831

 00021C

 000000

 33DAE3

 33DAE3

 1CD9E3

 4ADBE3

 06D8E3

 60DCE3

 00D7E3

 77DDE3

 8EDFE3

 A4E0E3

 BBE1E3

 D2E2E3

 E9E3E3

 FFE4E3

Harmonies

Analogous

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



63DABC



33DAE3



42D5FF

Triad

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



33DAE3



EEB2F4



E7C17A

Complementary

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



33DAE3



E33C33

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.



FFB48A



33DAE3



FFA9D0

Square

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



33DAE3



BFBFFF



FFAAA9



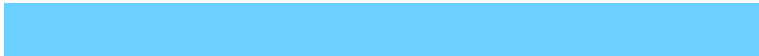
C1CD7F

Rectangle

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



33DAE3



6BD0FF



FFAAA9



F2BC7D

Sweetspot

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



33DAE3



C4FCFF



33E33C



5C7E80



000000



808080

Same Dimension

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



33DAE3



12F3FF



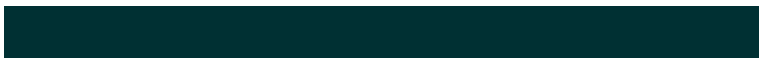
3382E3



677273



00A9B3



003033

Inverse Universe

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



E333DA



FF12F3



E39433



736772



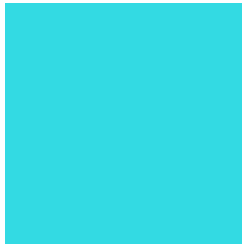
B300A9



330030

Previews

White Background



This preview shows how the Hex color 33DAE3 looks on a white background.

Color Contrast Check

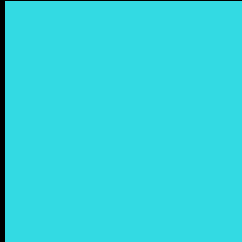
Large Text (above 18pt) WCAG AA × Fail

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 33DAE3 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

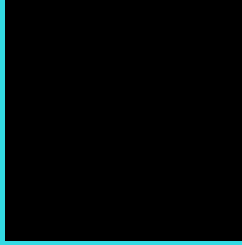
Any Text WCAG AA ✓ Pass

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 33DAE3 Background



This preview shows how black text looks on a background with the Hex color 33DAE3.

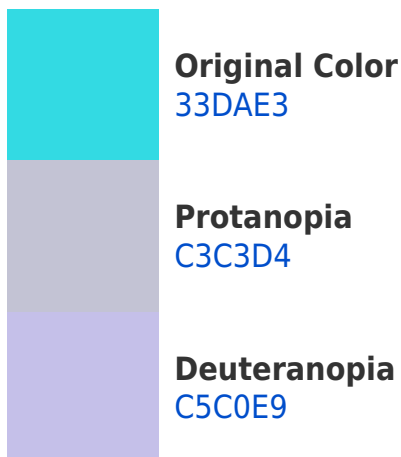


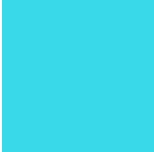
This preview shows how white text looks on a background with the Hex color 33DAE3.

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



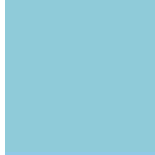


Tritanopia
39D9EA

Trichromacy



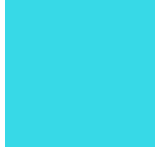
Original Color
33DAE3



Protanomaly
8FCBD9



Deuteranomaly
90C9E7

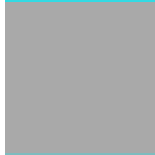


Tritanomaly
37D9E7

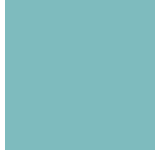
Monochromacy



Original Color
33DAE3



Achromatopsia
A9A9A9



Achromatomaly
7EBBBE

CSS Examples

Text

The CSS property to change the color of the text to Hex 33DAE3 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 #33DAE3 looks like.

```
.text, #text, p{  
    color:#33DAE3  
}
```

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 #33DAE3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33DAE3  
}
```

Border

The CSS property to change the border of an element to Hex 33DAE3 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  
#33DAE3 }
```

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

```
.border{ border-color:#33DAE3 }
```

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

Here you see how a box with a 4 pixel #33DAE3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33DAE3; -webkit-box-shadow:4px 4px  
4px 4px #33DAE3; box-shadow:4px 4px 4px  
4px #33DAE3 }
```

Background

The CSS property to change the background color of an element to Hex 33DAE3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33DAE3 }
```

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

```
.background{ background-color:#33DAE3 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor