

Converting Colors

Hex(33E0D2)

Have a look what the booklet for
Hex(33E0D2) contains.

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Color

Hex(33E0D2)

Conversions

Conversions Part 1

Format	Color
Hex	33E0D2
RGB	51, 224, 210
RGB Percent	20%, 88%, 82%
CMY	0.8000, 0.1216, 0.1765
CMYK	0.77, 0.00, 0.06, 0.12
HSL	175°, 74%, 54%
HSV	175°, 77%, 88%
XYZ	39.6538, 58.6683, 70.2069
YIQ	170.6770, -98.6140, -41.0300

Conversions

Conversions Part 2

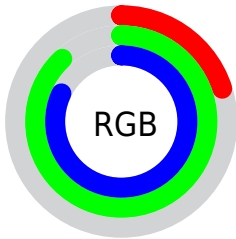
Format	Color
RYB	51, 141, 224
Decimal	3399890
CIELab	81.11, -44.96, -5.35
CIELCh	81, 45.280, 186.792
Yxy	58.6683, 0.2353, 0.3481
Android (android.graphics.Color)	4281589970 (0xFF33E0D2)
YUV	170.6770, 19.3862, -104.9567
Hunter-Lab	76.5952, -41.6312, -0.7284

Details

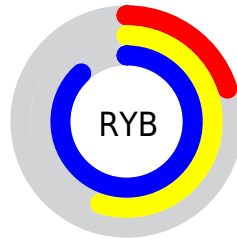
The Hex color **33E0D2** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **E03341**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **7EFFFF**, and **00A89C** is the 20% darker color. If you saturate the color by 10%, you get **1DE0D0**, and if you desaturate by 10%, it is **49E0D4**.

Distribution



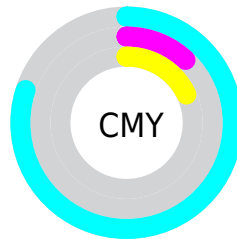
- Red (20%)
- Green (88%)
- Blue (82%)



- Red (20%)
- Yellow (55%)
- Blue (88%)



- Cyan (77%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)



- Cyan (80%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33E0D2 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 33E0D2 by changing the saturation by 10% instead.

 33E0D2

 33E0D2

FFFFFF

 00C4B6

 7EFFFF

 00A89C

 9EFFFF

 008D82

 BEFFFF

 007369

 DDEFFF

 005951

 FCEFFF

 00413A

 002B24

 000810

 000000

 33E0D2

 33E0D2

 1DE0D0

 49E0D4

 06E0CE

 60E0D6

 00E0CE

 76E0D7

 8DE0D9

 A3E0DB

 B9E0DD

 D0E0DF

 E6E0E1

 FDE0E2

Harmonies

Analogous

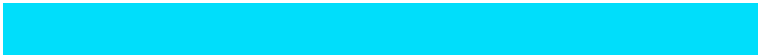
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79DDA7



33E0D2



00DEFB

Triad

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



33E0D2



DBBBFF



FFBB7C

Complementary

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



33E0D2



E03341

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.



FFAE99



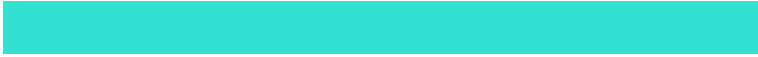
33E0D2



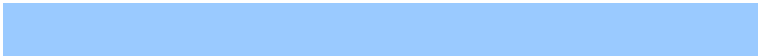
FFADEC

Square

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



33E0D2



9ACAFF



FFA8C1



DCCA74

Rectangle

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



33E0D2



21DAFF



FFA8C1



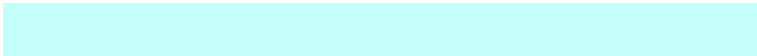
FFB784

Sweetspot

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



33E0D2



C4FFFA



41E033



5C807D



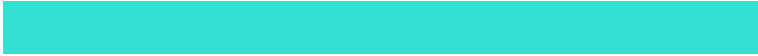
000000



808080

Same Dimension

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



33E0D2



12FFEC



3398E0



65706F



00B0A2



00302D

Inverse Universe

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



E03341



FF1225



E07B33



706566



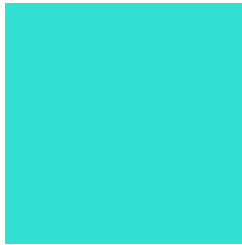
B0000E



300004

Previews

White Background



This preview shows how the Hex color 33E0D2 looks on a white background.

Color Contrast Check

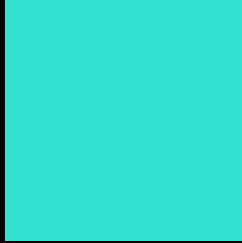
Large Text (above 18pt) WCAG AA × Fail

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 33E0D2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

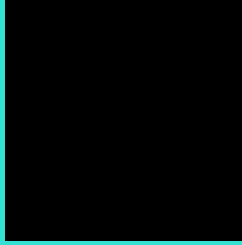
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

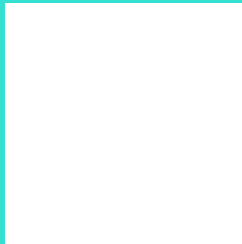
Any Text WCAG AAA ✓ Pass

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

Hex 33E0D2 Background



This preview shows how black text looks on a background with the Hex color 33E0D2.

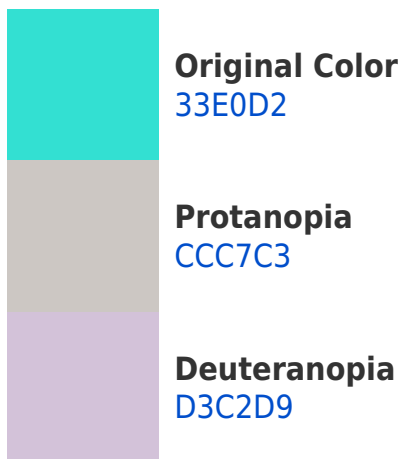


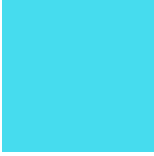
This preview shows how white text looks on a background with the Hex color 33E0D2.

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



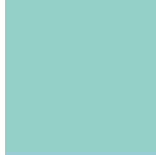


Tritanopia
46DCEE

Trichromacy



Original Color
33E0D2



Protanomaly
94D0C8



Deuteranomaly
99CDD6

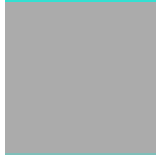


Tritanomaly
3FDDE4

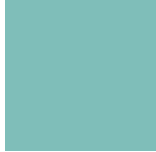
Monochromacy



Original Color
33E0D2



Achromatopsia
ABABAB



Achromatomaly
7FBEB9

CSS Examples

Text

The CSS property to change the color of the text to Hex 33E0D2 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 #33E0D2 looks like.

```
.text, #text, p{  
    color:#33E0D2  
}
```

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 #33E0D2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33E0D2
}
```

Border

The CSS property to change the border of an element to Hex 33E0D2 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
#33E0D2 }
```

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

```
.border{ border-color:#33E0D2 }
```

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

Here you see how a box with a 4 pixel #33E0D2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33E0D2; -webkit-box-shadow:4px 4px  
4px 4px #33E0D2; box-shadow:4px 4px 4px  
4px #33E0D2 }
```

Background

The CSS property to change the background color of an element to Hex 33E0D2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33E0D2 }
```

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

```
.background{ background-color:#33E0D2 }
```

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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