

Converting Colors

Hex(00CAE3)

Have a look what the booklet for
Hex(00CAE3) contains.

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Color

Hex(00CAE3)

Conversions

Conversions Part 1

Format	Color
Hex	00CAE3
RGB	0, 202, 227
RGB Percent	0%, 79%, 89%
CMY	1.0000, 0.2078, 0.1098
CMYK	1.00, 0.11, 0.00, 0.11
HSL	187°, 100%, 45%
HSV	187°, 100%, 89%
XYZ	34.9857, 47.7871, 80.0529
YIQ	144.4520, -128.4170, -35.0490

Conversions

Conversions Part 2

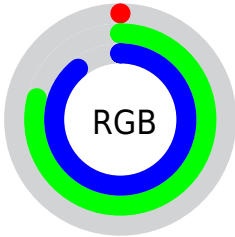
Format	Color
RYB	0, 107, 227
Decimal	51939
CIELab	74.69, -32.57, -24.15
CIELCh	75, 40.548, 216.550
Yxy	47.7871, 0.2149, 0.2935
Android (android.graphics.Color)	4278242019 (0xFF00CAE3)
YUV	144.4520, 40.6962, -126.6844
Hunter-Lab	69.1282, -30.6359, -20.2702

Details

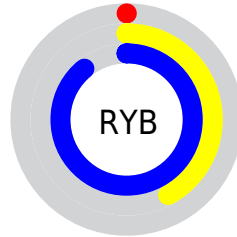
The Hex color **00CAE3** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **E31900**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **6EFFFF**, and **0093AC** is the 20% darker color. If you saturate the color by 10%, you get **00CAE3**, and if you desaturate by 10%, it is **17CDE3**.

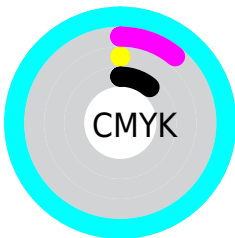
Distribution



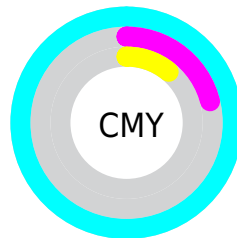
- Red (0%)
- Green (79%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00CAE3 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 00CAE3 by changing the saturation by 10% instead.

 00CAE3

 00CAE3

FFFFFF

 00AEC7

 6EFFFF

 0093AC

 8FFFFFF

 007991

 B0FFFF

 006077

 CFFFFFF

 00485E

 EFFFFFF

 003047

 001B30

 00011B

 000000

 00CAE3

 17CDE3

 2DCFE3

 44D2E3

 5BD4E3

 72D7E3

 88D9E3

 9FDCE3

 B6DEE3

 CCE1E3

Harmonies

Analogous

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



3BCCBF



00CAE3



4BC4FB

Triad

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



00CAE3



ED9FD6



C8B86D

Complementary

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



00CAE3



E31900

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.



E9AB74



00CAE3



FF9BB1

Square

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



00CAE3



C7ABF4



FDA08D



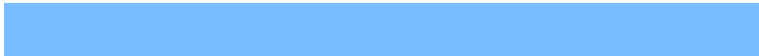
A0C37A

Rectangle

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



00CAE3



79BDFE



FDA08D



D4B46D

Sweetspot

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



00CAE3



B3F7FF



00E317



527A80



000000



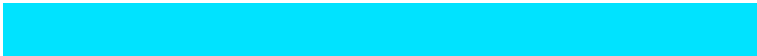
808080

Same Dimension

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



00CAE3



00E3FF



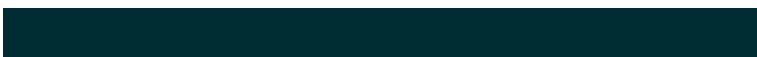
005BE3



677173



009FB3



002D33

Inverse Universe

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



E300CA



FF00E3



E38800



736771



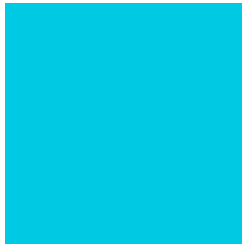
B3009F



33002D

Previews

White Background



This preview shows how the Hex color 00CAE3 looks on a white background.

Color Contrast Check

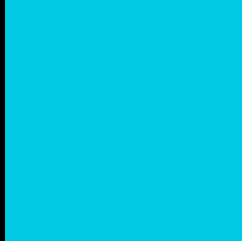
Large Text (above 18pt) WCAG AA × Fail

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 00CAE3 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

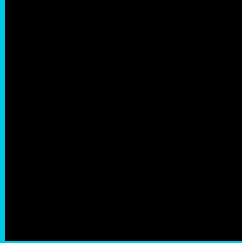
Any Text WCAG AA ✓ Pass

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 00CAE3 Background



This preview shows how black text looks on a background with the Hex color 00CAE3.

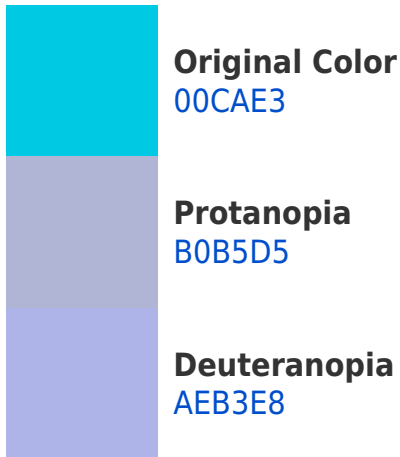


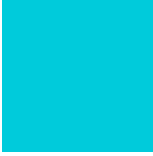
This preview shows how white text looks on a background with the Hex color 00CAE3.

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



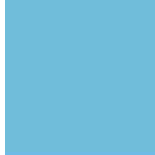


Tritanopia
00CBDB

Trichromacy



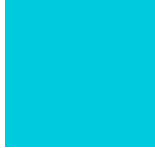
Original Color
00CAE3



Protanomaly
70BDDA



Deuteranomaly
6FBBE6



Tritanomaly
00CBDE

Monochromacy



Original Color
00CAE3



Achromatopsia
909090



Achromatomaly
5CA5AE

CSS Examples

Text

The CSS property to change the color of the text to Hex 00CAE3 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 #00CAE3 looks like.

```
.text, #text, p{  
    color:#00CAE3  
}
```

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 #00CAE3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00CAE3
}
```

Border

The CSS property to change the border of an element to Hex 00CAE3 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
#00CAE3 }
```

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

```
.border{ border-color:#00CAE3 }
```

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

Here you see how a box with a 4 pixel #00CAE3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00CAE3; -webkit-box-shadow:4px 4px  
4px 4px #00CAE3; box-shadow:4px 4px 4px  
4px #00CAE3 }
```

Background

The CSS property to change the background color of an element to Hex 00CAE3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00CAE3 }
```

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

```
.background{ background-color:#00CAE3 }
```

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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