

Converting Colors

Hex(00CAE7)

Have a look what the booklet for
Hex(00CAE7) contains.

Hex(00CAE7)	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(00CAE7)

Conversions

Conversions Part 1

Format	Color
Hex	00CAE7
RGB	0, 202, 231
RGB Percent	0%, 79%, 91%
CMY	1.0000, 0.2078, 0.0941
CMYK	1.00, 0.13, 0.00, 0.09
HSL	188°, 100%, 45%
HSV	188°, 100%, 91%
XYZ	35.5443, 48.0106, 82.9949
YIQ	144.9080, -129.7010, -33.8050

Conversions

Conversions Part 2

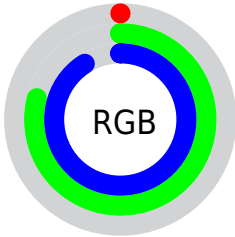
Format	Color
RYB	0, 108, 231
Decimal	51943
CIELab	74.83, -31.28, -26.09
CIELCh	75, 40.735, 219.825
Yxy	48.0106, 0.2134, 0.2883
Android (android.graphics.Color)	4278242023 (0xFF00CAE7)
YUV	144.9080, 42.4434, -127.0843
Hunter-Lab	69.2897, -29.6897, -22.5146

Details

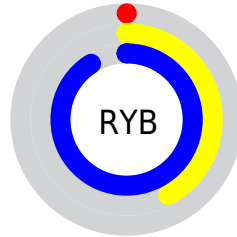
The Hex color **00CAE7** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **E71D00**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **6EFFFF**, and **0093AF** is the 20% darker color. If you saturate the color by 10%, you get **00CAE7**, and if you desaturate by 10%, it is **17CDE7**.

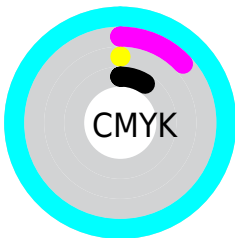
Distribution



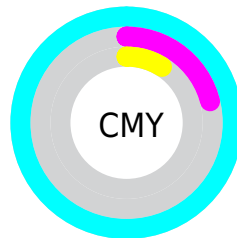
- Red (0%)
- Green (79%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00CAE7 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 00CAE7 by changing the saturation by 10% instead.

 00CAE7

FFFFFF

 6EFFFF

 90FFFF

 B0FFFF

 D0FFFF

 F0FFFF

 00CAE7

 00AECB

 0093AF

 007995

 00607B

 004862

 00314A

 001C33

 00021E

 000000

 00CAE7

 17CDE7

 2ED0E7

 45D3E7

 5CD6E7

 74D9E7

 8BDBE7

 A2DEE7

 B9E1E7

 D0E4E7

Harmonies

Analogous

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



34CCC4



00CAE7



52C3FE

Triad

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



00CAE7



F19ED3



C5BA6D

Complementary

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



00CAE7



E71D00

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.



E6AD72



00CAE7



FF9BAD

Square

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



00CAE7



CCAAF2



FCA18A



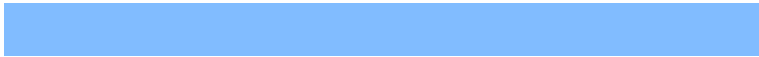
9CC47D

Rectangle

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



00CAE7



81BCFF



FCA18A



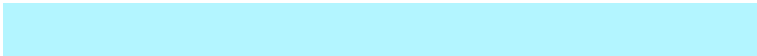
D1B66C

Sweetspot

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



00CAE7



B3F5FF



00E71B



527A80



000000



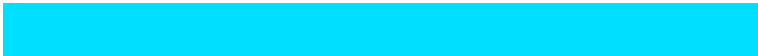
808080

Same Dimension

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



00CAE7



00DFFF



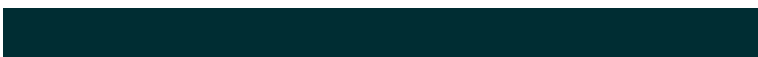
0059E7



677173



009CB3



002D33

Inverse Universe

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



E700CA



FF00DF



E78E00



736771



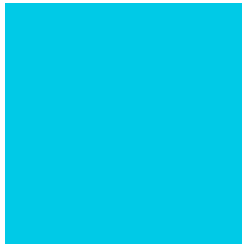
B3009C



33002D

Previews

White Background



This preview shows how the Hex color 00CAE7 looks on a white background.

Color Contrast Check

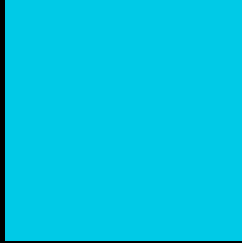
Large Text (above 18pt) WCAG AA × Fail

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 00CAE7 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

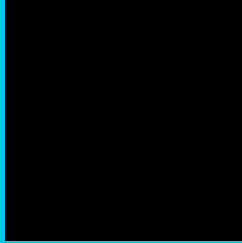
Any Text WCAG AA ✓ Pass

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 00CAE7 Background



This preview shows how black text looks on a background with the Hex color 00CAE7.

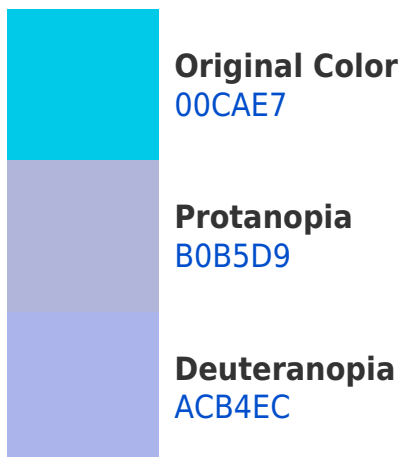


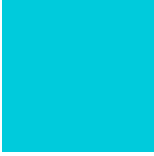
This preview shows how white text looks on a background with the Hex color 00CAE7.

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





Trichromacy



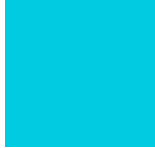
Original Color
00CAE7



Protanomaly
70BDDE



Deuteranomaly
6DBCEA



Tritanomaly
00CBE0

Monochromacy



Original Color
00CAE7



Achromatopsia
919191



Achromatomaly
5CA6B0

CSS Examples

Text

The CSS property to change the color of the text to Hex 00CAE7 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 #00CAE7 looks like.

```
.text, #text, p{  
    color:#00CAE7  
}
```

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 #00CAE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00CAE7
}
```

Border

The CSS property to change the border of an element to Hex 00CAE7 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
#00CAE7 }
```

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

```
.border{ border-color:#00CAE7 }
```

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

Here you see how a box with a 4 pixel #00CAE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00CAE7; -webkit-box-shadow:4px 4px  
4px 4px #00CAE7; box-shadow:4px 4px 4px  
4px #00CAE7 }
```

Background

The CSS property to change the background color of an element to Hex 00CAE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00CAE7 }
```

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

```
.background{ background-color:#00CAE7 }
```

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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