

Converting Colors

Hex(00CAE2)

Have a look what the booklet for
Hex(00CAE2) contains.

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Color

Hex(00CAE2)

Conversions

Conversions Part 1

Format	Color
Hex	00CAE2
RGB	0, 202, 226
RGB Percent	0%, 79%, 89%
CMY	1.0000, 0.2078, 0.1137
CMYK	1.00, 0.11, 0.00, 0.11
HSL	186°, 100%, 44%
HSV	186°, 100%, 89%
XYZ	34.8480, 47.7320, 79.3280
YIQ	144.3380, -128.0960, -35.3600

Conversions

Conversions Part 2

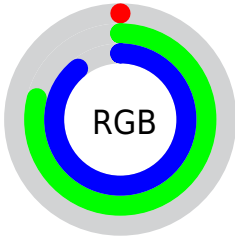
Format	Color
RYB	0, 107, 226
Decimal	51938
CIELab	74.66, -32.89, -23.66
CIELCh	75, 40.520, 215.728
Yxy	47.7320, 0.2152, 0.2948
Android (android.graphics.Color)	4278242018 (0xFF00CAE2)
YUV	144.3380, 40.2594, -126.5844
Hunter-Lab	69.0884, -30.8697, -19.7156

Details

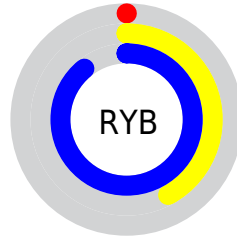
The Hex color **00CAE2** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **E21800**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **6DFFFF**, and **0093AB** is the 20% darker color. If you saturate the color by 10%, you get **00CAE2**, and if you desaturate by 10%, it is **17CCE2**.

Distribution



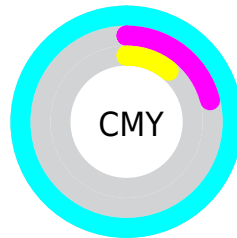
- Red (0%)
- Green (79%)
- Blue (89%)



- 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 00CAE2 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 00CAE2 by changing the saturation by 10% instead.

 00CAE2

 00CAE2

FFFFFF

 00AEC6

 6DFFFF

 0093AB

 8FFFFFFF

 007990

 AFFFFFFF

 006076

 CFFFFFFF

 00485E

 EFFFFFFF

 003046

 001B2F

 00011B

 000000

 00CAE2

 17CCE2

 2DCFE2

 44D1E2

 5AD4E2

 71D6E2

 88D8E2

 9EDBE2

 B5DDE2

 CBE0E2

Harmonies

Analogous

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



3DCCBE



00CAE2



49C4FB

Triad

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



00CAE2



ED9FD7



C9B86D

Complementary

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



00CAE2



E21800

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



00CAE2



FF9AB2

Square

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



00CAE2



C5ABF4



FD9F8E



A1C27A

Rectangle

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



00CAE2



77BDFE



FD9F8E



D5B46D

Sweetspot

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



00CAE2



B3F7FF



00E217



527B80



000000



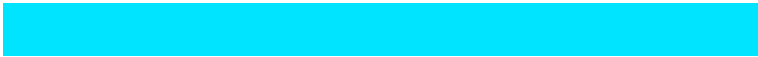
808080

Same Dimension

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



00CAE2



00E4FF



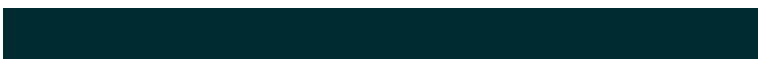
005AE2



656F70



009DB0



002B30

Inverse Universe

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



E200CA



FF00E4



E28800



70656F



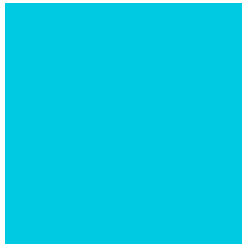
B0009D



30002B

Previews

White Background



This preview shows how the Hex color 00CAE2 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 00CAE2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

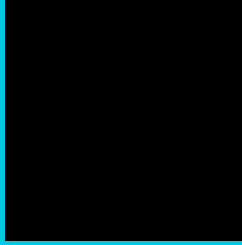
Any Text WCAG AA ✓ Pass

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 00CAE2 Background



This preview shows how black text looks on a background with the Hex color 00CAE2.

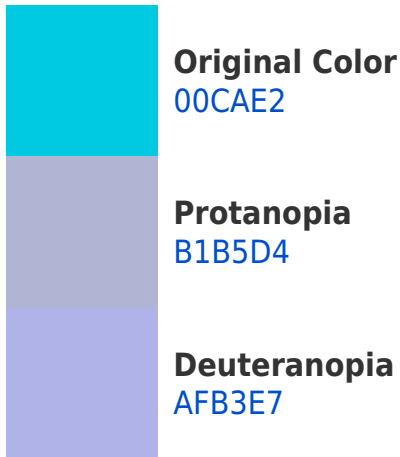


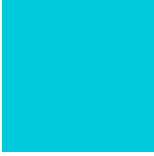
This preview shows how white text looks on a background with the Hex color 00CAE2.

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



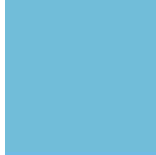


Tritanopia
00CBDB

Trichromacy



Original Color
00CAE2



Protanomaly
71BDD9



Deuteranomaly
6FBBE5



Tritanomaly
00CBDE

Monochromacy



Original Color
00CAE2



Achromatopsia
909090



Achromatomaly
5CA5AE

CSS Examples

Text

The CSS property to change the color of the text to Hex 00CAE2 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 #00CAE2 looks like.

```
.text, #text, p{  
  color:#00CAE2  
}
```

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 #00CAE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00CAE2
}
```

Border

The CSS property to change the border of an element to Hex 00CAE2 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
#00CAE2 }
```

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

```
.border{ border-color:#00CAE2 }
```

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

Here you see how a box with a 4 pixel #00CAE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00CAE2; -webkit-box-shadow:4px 4px  
4px 4px #00CAE2; box-shadow:4px 4px 4px  
4px #00CAE2 }
```

Background

The CSS property to change the background color of an element to Hex 00CAE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00CAE2 }
```

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

```
.background{ background-color:#00CAE2 }
```

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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