

# Converting Colors

Hex(0AE7E0)

Have a look what the booklet for  
Hex(0AE7E0) contains.

<b>Hex(0AE7E0)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(0AE7E0)

# Conversions

## Conversions Part 1

Format	Color
Hex	0AE7E0
RGB	10, 231, 224
RGB Percent	4%, 91%, 88%
CMY	0.9608, 0.0941, 0.1216
CMYK	0.96, 0.00, 0.03, 0.09
HSL	178°, 92%, 47%
HSV	178°, 96%, 91%
XYZ	42.1556, 62.5982, 80.3818
YIQ	164.1230, -129.4690, -49.0290

# Conversions

## Conversions Part 2

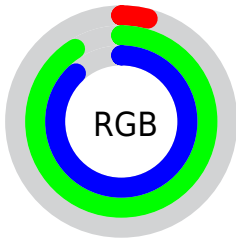
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 122, 231
Decimal	714720
CIELab	83.23, -46.41, -9.67
CIELCh	83, 47.407, 191.770
Yxy	62.5982, 0.2277, 0.3381
Android (android.graphics.Color)	4278904800 (0xFF0AE7E0)
YUV	164.1230, 29.5194, -135.1659
Hunter-Lab	79.1190, -43.3512, -4.8530

# Details

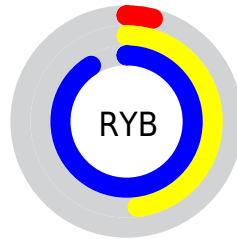
The Hex color **0AE7E0** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **E70A11**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **73FFFF**, and **00AFA9** is the 20% darker color. If you saturate the color by 10%, you get **00E7E0**, and if you desaturate by 10%, it is **21E7E1**.

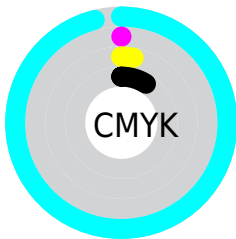
# Distribution



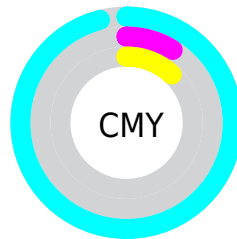
- Red (4%)
- Green (91%)
- Blue (88%)



- Red (4%)
- Yellow (48%)
- Blue (91%)



- Cyan (96%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (96%)
- Magenta (9%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0AE7E0 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 0AE7E0 by changing the saturation by 10% instead.



 0AE7E0

 0AE7E0


FFFFFF

 00CAC4

 73FFFF

 00AFA9

 95FFFF

 00938E

 B6FFFF


 007975

 D6FFFF

 005F5C

 F6FFFF

 004645

 002F2F

 00141A

 000000

■ 0AE7E0

■ 0AE7E0

■ 00E7E0

■ 21E7E1

■ 38E7E1

■ 4FE7E2

■ 66E7E3

■ 7DE7E4

■ 95E7E4

■ ACE7E5

■ C3E7E6

■ DAE7E7

# Harmonies

## Analogous

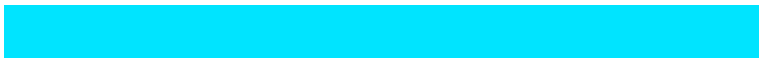
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



6FE5B2



0AE7E0



00E4FF

# Triad

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



0AE7E0



EBBDFE



FFC37B

# Complementary

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



0AE7E0



E70A11

# 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.



FFB496



0AE7E0



FFB0EC

# Square

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



0AE7E0



AACEFF



FFACBF



DBD276

# Rectangle

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



0AE7E0



2BDFFF



FFACBF

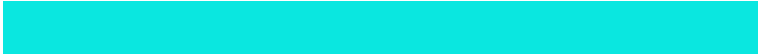


FFBE82



# Sweetspot

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



0AE7E0



B5FFFD



11E70A



53807E



000000



808080



# Same Dimension

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



0AE7E0



00FFF7



0A80E7



677372



00B3AD



003331



# Inverse Universe

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



E70A11



FF0008



E7710A



736768



B30006

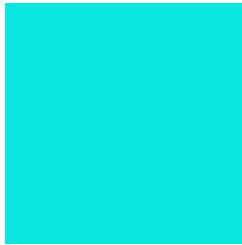


330002



# Previews

## White Background



This preview shows how the Hex color 0AE7E0 looks on a white background.

## Color Contrast Check

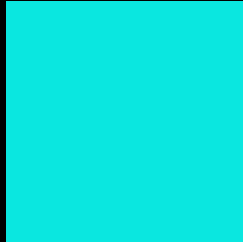
Large Text (above 18pt) WCAG AA × Fail

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 0AE7E0 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 0AE7E0 Background



This preview shows how black text looks on a background with the Hex color 0AE7E0.

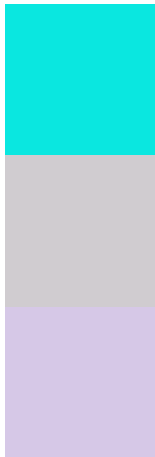


This preview shows how white text looks on a background with the Hex color 0AE7E0.

# 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](#).

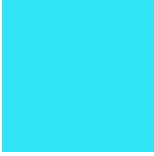
## Dichromacy



**Original Color**  
0AE7E0

**Protanopia**  
D0CCD0

**Deuteranopia**  
D6C8E7



**Tritanopia**  
31E4F6

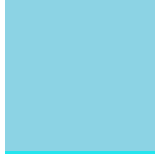
# Trichromacy



**Original Color**  
0AE7E0



**Protanomaly**  
88D6D6



**Deuteranomaly**  
8CD3E4

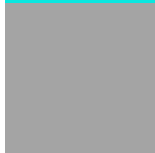


**Tritanomaly**  
23E5EE

# Monochromacy



**Original Color**  
0AE7E0



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
6CBCBA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0AE7E0 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 #0AE7E0 looks like.

```
.text, #text, p{  
    color:#0AE7E0  
}
```

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 #0AE7E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0AE7E0
}
```

## Border

The CSS property to change the border of an element to Hex 0AE7E0 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
#0AE7E0 }
```

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

```
.border{ border-color:#0AE7E0 }
```

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

Here you see how a box with a 4 pixel #0AE7E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0AE7E0; -webkit-box-shadow:4px 4px  
4px 4px #0AE7E0; box-shadow:4px 4px 4px  
4px #0AE7E0 }
```

# Background

The CSS property to change the background color of an element to Hex 0AE7E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0AE7E0 }
```

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

```
.background{ background-color:#0AE7E0 }
```

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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