

# Converting Colors

Hex(00A7E2)

Have a look what the booklet for  
Hex(00A7E2) contains.

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# **Color**

**Hex(00A7E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A7E2
RGB	0, 167, 226
RGB Percent	0%, 65%, 89%
CMY	1.0000, 0.3451, 0.1137
CMYK	1.00, 0.26, 0.00, 0.11
HSL	196°, 100%, 44%
HSV	196°, 100%, 89%
XYZ	27.5462, 33.1284, 76.8941
YIQ	123.7930, -118.4710, -17.0550

# Conversions

## Conversions Part 2

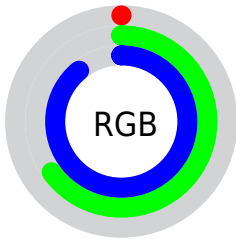
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 96, 226
Decimal	42978
CIELab	64.26, -15.08, -39.72
CIELCh	64, 42.484, 249.205
Yxy	33.1284, 0.2002, 0.2408
Android (android.graphics.Color)	4278233058 (0xFF00A7E2)
YUV	123.7930, 50.3881, -108.5665
Hunter-Lab	57.5573, -15.2974, -38.9188

# Details

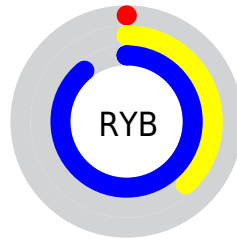
The Hex color **00A7E2** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **E23B00**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **6ADEFF**, and **0073AA** is the 20% darker color. If you saturate the color by 10%, you get **00A7E2**, and if you desaturate by 10%, it is **17ADE2**.

# Distribution



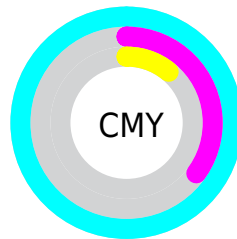
- Red (0%)
- Green (65%)
- Blue (89%)



- Red (0%)
- Yellow (38%)
- Blue (89%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (35%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A7E2 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 00A7E2 by changing the saturation by 10% instead.



00A7E2

00A7E2

FFFFFF

008DC6

6ADEFF

0073AA

8BFBF

005B90

ABFFFF

004376

CAFFFF

002D5D

E9FFFF

001A45

00042E

000118

000000

■ 00A7E2

■ 17ADE2

■ 2DB3E2

■ 44B9E2

■ 5ABFE2

■ 71C5E2

■ 88CAE2

■ 9ED0E2

■ B5D6E2

■ CBDCE2

# Harmonies

## Analogous

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



00AECB



00A7E2



749CE6

# Triad

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



00A7E2



E47D91



7FA75F

# Complementary

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



00A7E2



E23B00

# 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.



A89D4F



00A7E2



DF836E

# Square

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



00A7E2



D481B8



C99055



4BAD80

# Rectangle

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



00A7E2



9D92DE



C99055



8DA558

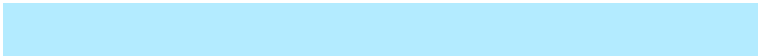


# Sweetspot

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



00A7E2



B3EBFF



00E239



527480



000000



808080

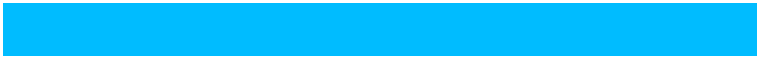


# Same Dimension

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



00A7E2



00BCFF



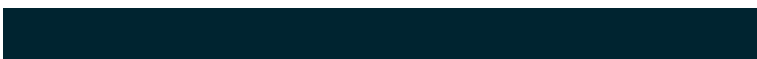
0039E2



656D70



0082B0



002430



# Inverse Universe

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



E200A7



FF00BC



E2AA00



70656D



B00082



300024



# Previews

## White Background



This preview shows how the Hex color 00A7E2 looks on a white background.

## Color Contrast Check

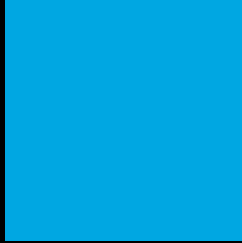
Large Text (above 18pt) WCAG AA × Fail

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 00A7E2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

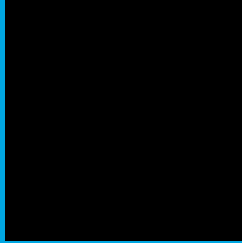
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00A7E2 Background



This preview shows how black text looks on a background with the Hex color 00A7E2.

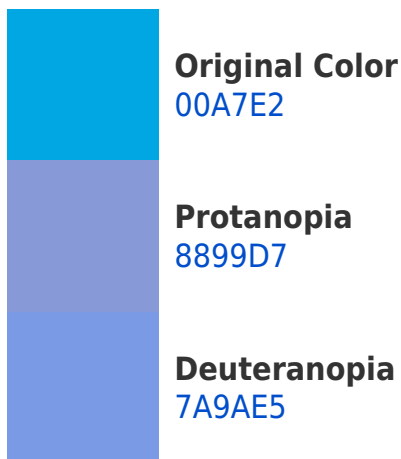


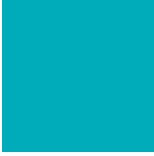
This preview shows how white text looks on a background with the Hex color 00A7E2.

# 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**  
00ACB9

# Trichromacy



**Original Color**  
00A7E2



**Protanomaly**  
579EDB



**Deuteranomaly**  
4E9FE4



**Tritanomaly**  
00AAC8

# Monochromacy



**Original Color**  
00A7E2



**Achromatopsia**  
7C7C7C



**Achromatomaly**  
4F8CA1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A7E2 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 #00A7E2 looks like.

```
.text, #text, p{  
    color:#00A7E2  
}
```

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 #00A7E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A7E2
}
```

## Border

The CSS property to change the border of an element to Hex 00A7E2 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
#00A7E2 }
```

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

```
.border{ border-color:#00A7E2 }
```

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

Here you see how a box with a 4 pixel #00A7E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A7E2; -webkit-box-shadow:4px 4px  
4px 4px #00A7E2; box-shadow:4px 4px 4px  
4px #00A7E2 }
```

# Background

The CSS property to change the background color of an element to Hex 00A7E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A7E2 }
```

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

```
.background{ background-color:#00A7E2 }
```

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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