

# Converting Colors

Hex(00A1EB)

Have a look what the booklet for  
Hex(00A1EB) contains.

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# **Color**

**Hex(00A1EB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A1EB
RGB	0, 161, 235
RGB Percent	0%, 63%, 92%
CMY	1.0000, 0.3686, 0.0784
CMYK	1.00, 0.31, 0.00, 0.08
HSL	199°, 100%, 46%
HSV	199°, 100%, 92%
XYZ	27.7403, 31.4879, 83.2130
YIQ	121.2970, -119.7100, -11.1180

# Conversions

## Conversions Part 2

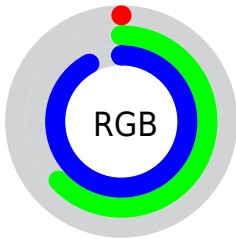
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 96, 235
Decimal	41451
CIELab	62.92, -8.50, -46.79
CIELCh	63, 47.556, 259.704
Yxy	31.4879, 0.1947, 0.2211
Android (android.graphics.Color)	4278231531 (0xFF00A1EB)
YUV	121.2970, 56.0556, -106.3775
Hunter-Lab	56.1141, -9.9573, -48.6428

# Details

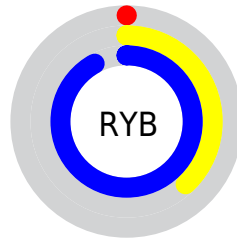
The Hex color **00A1EB** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **EB4A00**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **6BD8FF**, and **006EB3** is the 20% darker color. If you saturate the color by 10%, you get **00A1EB**, and if you desaturate by 10%, it is **17A8EB**.

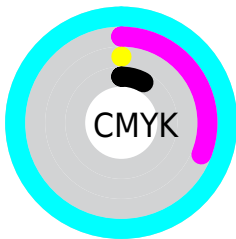
# Distribution



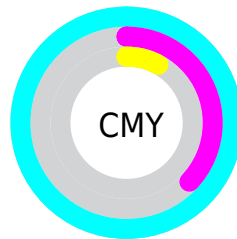
- Red (0%)
- Green (63%)
- Blue (92%)



- Red (0%)
- Yellow (38%)
- Blue (92%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (37%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A1EB 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 00A1EB by changing the saturation by 10% instead.



 00A1EB

 00A1EB

FFFFFF

 0087CF

 6BD8FF

 006EB3

 8DF4FF

 005698

 ADFFFF

 003F7D

 CCFFFF

 002964

 ECFFFF

 00164C

 000434

 00021E

 000000

 00A1EB

 17A8EB

 2FB0EB

 47B7EB

 5EBFEB

 76C6EB

 8DCDEB

 A4D5EB

 BCDCEB

 D3E4EB

# Harmonies

## Analogous

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



00AAD8



00A1EB



8393E8

# Triad

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



00A1EB



E8767E



64A85F

# Complementary

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



00A1EB



EB4A00

# 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.



969E45



00A1EB



DB8159

# Square

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



00A1EB



DF76A9



BE9143



00AD88

# Rectangle

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



00A1EB



AD88DA



BE9143



76A555

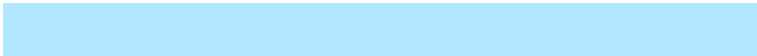


# Sweetspot

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



00A1EB



B3E7FF



00EB47



527180



000000



808080

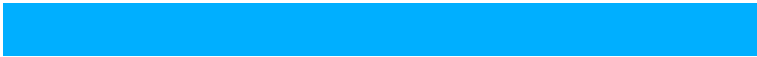


# Same Dimension

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



00A1EB



00AFFF



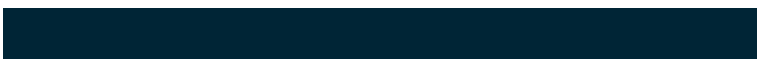
002FEB



6A7275



007CB5



002536



# Inverse Universe

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



EB00A1



FF00AF



EBBC00



756A72



B5007C



360025



# Previews

## White Background



This preview shows how the Hex color 00A1EB looks on a white background.

## Color Contrast Check

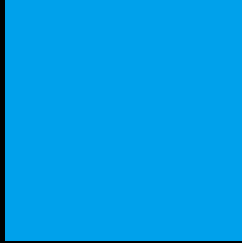
Large Text (above 18pt) WCAG AA × Fail

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 00A1EB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

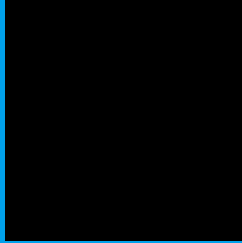
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

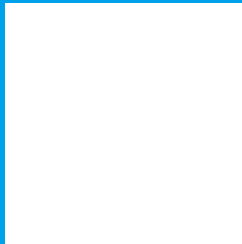
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00A1EB Background



This preview shows how black text looks on a background with the Hex color 00A1EB.

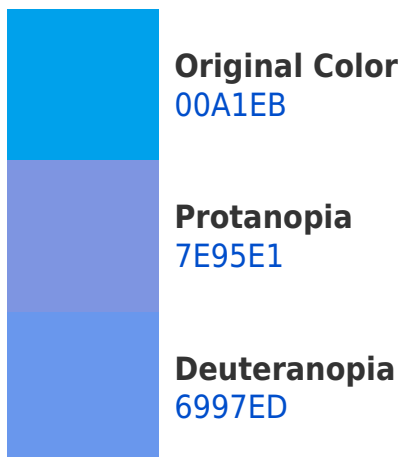


This preview shows how white text looks on a background with the Hex color 00A1EB.

# 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**  
00A1EB

**Protanomaly**  
5099E5

**Deuteranomaly**  
439BEC

# Monochromacy



**Original Color**  
00A1EB

**Achromatopsia**  
797979

**Achromatomaly**  
4D88A2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A1EB 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 #00A1EB looks like.

```
.text, #text, p{  
    color:#00A1EB  
}
```

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 #00A1EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A1EB
}
```

## Border

The CSS property to change the border of an element to Hex 00A1EB 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
#00A1EB }
```

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

```
.border{ border-color:#00A1EB }
```

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

Here you see how a box with a 4 pixel #00A1EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A1EB; -webkit-box-shadow:4px 4px  
4px 4px #00A1EB; box-shadow:4px 4px 4px  
4px #00A1EB }
```

# Background

The CSS property to change the background color of an element to Hex 00A1EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A1EB }
```

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

```
.background{ background-color:#00A1EB }
```

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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