

# Converting Colors

Hex(0AE6F3)

Have a look what the booklet for  
Hex(0AE6F3) contains.

<b>Hex(0AE6F3)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(0AE6F3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AE6F3
RGB	10, 230, 243
RGB Percent	4%, 90%, 95%
CMY	0.9608, 0.0980, 0.0471
CMYK	0.96, 0.05, 0.00, 0.05
HSL	183°, 92%, 50%
HSV	183°, 96%, 95%
XYZ	44.5997, 63.1292, 94.6285
YIQ	165.7020, -135.2930, -42.5970

# Conversions

## Conversions Part 2

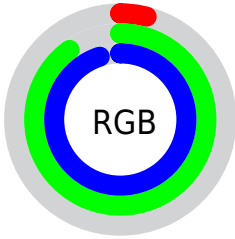
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	10, 123, 243
Decimal	714483
CIE Lab	83.51, -40.39, -19.29
CIE LCh	84, 44.756, 205.533
Yxy	63.1292, 0.2204, 0.3120
Android (android.graphics.Color)	4278904563 (0xFF0AE6F3)
YUV	165.7020, 38.1079, -136.5507
Hunter-Lab	79.4539, -38.8474, -14.9959

# Details

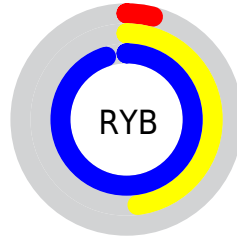
The Hex color **0AE6F3** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **F3170A**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **75FFFF**, and **00AE5B** is the 20% darker color. If you saturate the color by 10%, you get **00E5F3**, and if you desaturate by 10%, it is **22E7F3**.

# Distribution



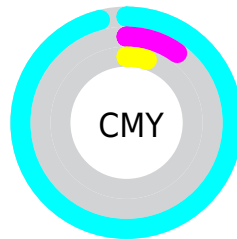
- Red (4%)
- Green (90%)
- Blue (95%)



- Red (4%)
- Yellow (48%)
- Blue (95%)



- Cyan (96%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (96%)
- Magenta (10%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0AE6F3 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 0AE6F3 by changing the saturation by 10% instead.



 0AE6F3

 0AE6F3


FFFFFF

 00CAD7

 75FFFF

 00AEBB

 98FFFF

 0093A0

 B9FFFF

 007886

 D9FFFF

 005F6C

 FAFFFF

 004654

 002F3D

 001627

 000112

 0AE6F3

 0AE6F3

 00E5F3

 22E7F3

 3BE9F3

 53EAF3

 6BEBF3

 83EDF3

 9CEEF3

 B4EFF3

 CCF1F3

 E5F2F3

# Harmonies

## Analogous

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



5CE6C8



0AE6F3



34E1FF

# Triad

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



0AE6F3



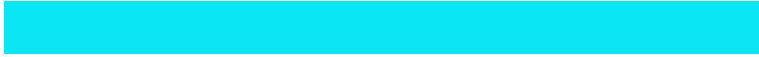
FFB9FF



F1CB7B

# Complementary

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



0AE6F3



F3170A

# 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.



FFBD8C



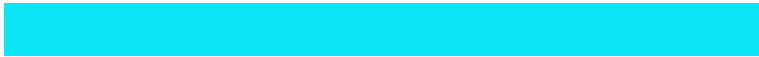
0AE6F3



FFB0D8

# Square

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



0AE6F3



CCC8FF



FFB2AE



C7D983

# Rectangle

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



0AE6F3



6DDAFF



FFB2AE



FEC77F



# Sweetspot

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



0AE6F3



B5FBFF



0AF316



537D80



000000



808080



# Same Dimension

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



0AE6F3



00F1FF



0A73F3



6E7A7A



00B0BA



00373B



# Inverse Universe

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



F30AE6



FF00F1



F38A0A



7A6E7A



BA00B0

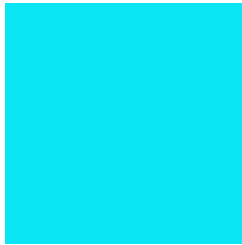


3B0037



# Previews

## White Background



This preview shows how the Hex color 0AE6F3 looks on a white background.

## Color Contrast Check

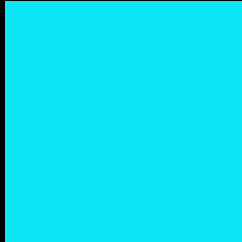
Large Text (above 18pt) WCAG AA × Fail

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 0AE6F3 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 0AE6F3 Background



This preview shows how black text looks on a background with the Hex color 0AE6F3.

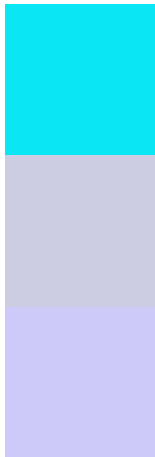


This preview shows how white text looks on a background with the Hex color 0AE6F3.

# 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](#).

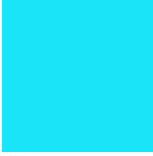
## Dichromacy



**Original Color**  
0AE6F3

**Protanopia**  
CCCDE3

**Deuteranopia**  
CDCAF9

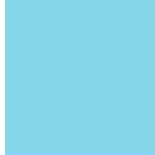


**Tritanopia**  
1AE5F8

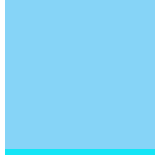
# Trichromacy



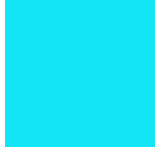
**Original Color**  
0AE6F3



**Protanomaly**  
85D6E9



**Deuteranomaly**  
86D4F7

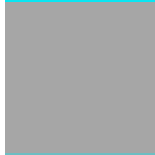


**Tritanomaly**  
14E5F6

# Monochromacy



**Original Color**  
0AE6F3



**Achromatopsia**  
A6A6A6



**Achromatomaly**  
6DBDC2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0AE6F3 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 #0AE6F3 looks like.

```
.text, #text, p{  
    color:#0AE6F3  
}
```

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 #0AE6F3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0AE6F3
}
```

## Border

The CSS property to change the border of an element to Hex 0AE6F3 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
#0AE6F3 }
```

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

```
.border{ border-color:#0AE6F3 }
```

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

Here you see how a box with a 4 pixel #0AE6F3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0AE6F3; -webkit-box-shadow:4px 4px  
4px 4px #0AE6F3; box-shadow:4px 4px 4px  
4px #0AE6F3 }
```

# Background

The CSS property to change the background color of an element to Hex 0AE6F3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0AE6F3 }
```

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

```
.background{ background-color:#0AE6F3 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor