

# Converting Colors

Hex(00B4E7)

Have a look what the booklet for  
Hex(00B4E7) contains.

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# **Color**

**Hex(00B4E7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B4E7
RGB	0, 180, 231
RGB Percent	0%, 71%, 91%
CMY	1.0000, 0.2941, 0.0941
CMYK	1.00, 0.22, 0.00, 0.09
HSL	193°, 100%, 45%
HSV	193°, 100%, 91%
XYZ	30.7451, 38.4120, 81.3951
YIQ	131.9940, -123.6510, -22.2990

# Conversions

## Conversions Part 2

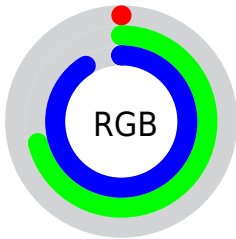
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 101, 231
Decimal	46311
CIELab	68.32, -20.23, -36.13
CIELCh	68, 41.409, 240.748
Yxy	38.4120, 0.2042, 0.2551
Android (android.graphics.Color)	4278236391 (0xFF00B4E7)
YUV	131.9940, 48.8100, -115.7587
Hunter-Lab	61.9774, -19.9123, -34.4815

# Details

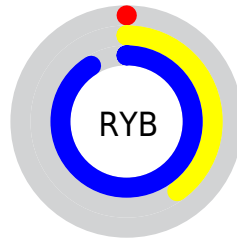
The Hex color **00B4E7** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **E73300**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **6CECFF**, and **007FAF** is the 20% darker color. If you saturate the color by 10%, you get **00B4E7**, and if you desaturate by 10%, it is **17B9E7**.

# Distribution



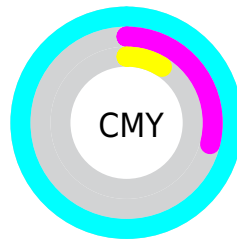
- Red (0%)
- Green (71%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (29%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B4E7 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 00B4E7 by changing the saturation by 10% instead.



 00B4E7

 00B4E7

FFFFFF

 0099CB

 6CECFF

 007FAF

 8DFFFF

 006694

 ADFFFF

 004E7A

 CDFFFF

 003761

 ECFFFF

 002249

 000432

 00021C

 000000

 00B4E7

 17B9E7

 2EBEE7

 45C3E7

 5CC8E7

 74CDE7

 8BD3E7

 A2D8E7

 B9DDE7

 D0E2E7

# Harmonies

## Analogous

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



00B9CC



00B4E7



6EAAF1

# Triad

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



00B4E7



EC89A7



97B065

# Complementary

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



00B4E7



E73300

# 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.



BDA55B



00B4E7



ED8C82

# Square

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



00B4E7



D68FCC



DC9866



69B781

# Rectangle

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



00B4E7



99A1EC



DC9866



A4AC5F

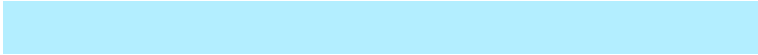


# Sweetspot

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



00B4E7



B3EEFF



00E732



527580



000000



808080



# Same Dimension

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



00B4E7



00C7FF



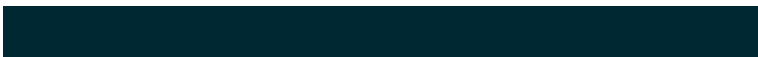
0041E7



677073



008BB3



002833



# Inverse Universe

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



E700B4



FF00C7



E7A600



736770



B3008B



330028



# Previews

## White Background



This preview shows how the Hex color 00B4E7 looks on a white background.

## Color Contrast Check

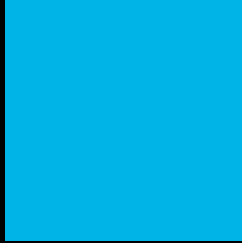
Large Text (above 18pt) WCAG AA × Fail

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 00B4E7 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 00B4E7 Background



This preview shows how black text looks on a background with the Hex color 00B4E7.

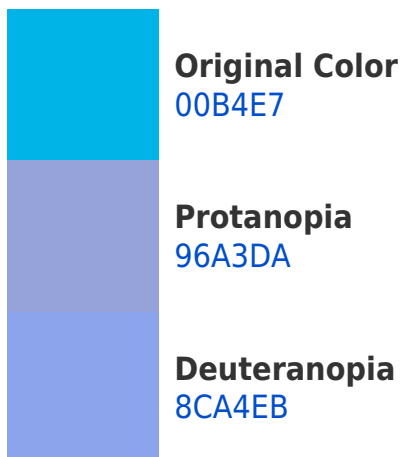


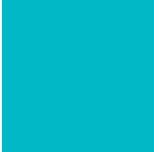
This preview shows how white text looks on a background with the Hex color 00B4E7.

# 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](#).

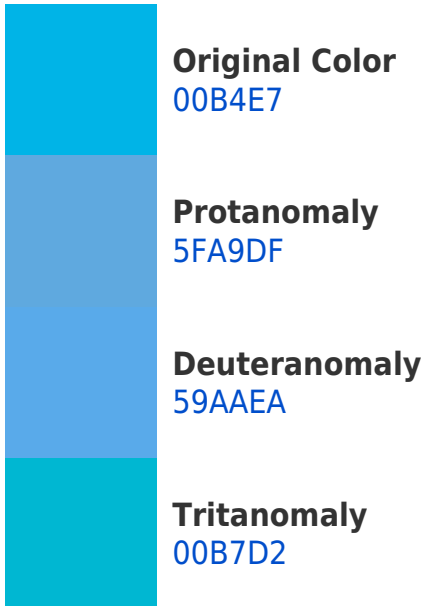
## Dichromacy



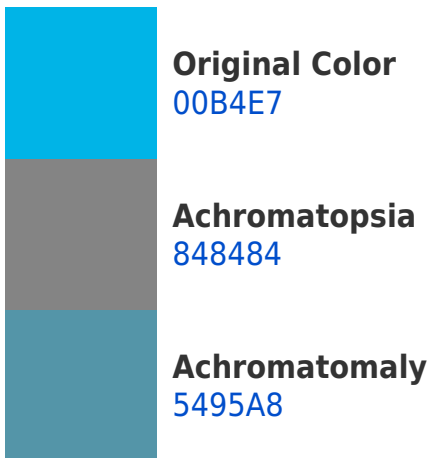


**Tritanopia**  
00B8C6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B4E7 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 #00B4E7 looks like.

```
.text, #text, p{  
    color:#00B4E7  
}
```

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 #00B4E7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B4E7
}
```

## Border

The CSS property to change the border of an element to Hex 00B4E7 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
#00B4E7 }
```

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

```
.border{ border-color:#00B4E7 }
```

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

Here you see how a box with a 4 pixel #00B4E7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B4E7; -webkit-box-shadow:4px 4px  
4px 4px #00B4E7; box-shadow:4px 4px 4px  
4px #00B4E7 }
```

# Background

The CSS property to change the background color of an element to Hex 00B4E7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B4E7 }
```

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

```
.background{ background-color:#00B4E7 }
```

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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