

# Converting Colors

Hex(00B8E8)

Have a look what the booklet for  
Hex(00B8E8) contains.

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# **Color**

**Hex(00B8E8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B8E8
RGB	0, 184, 232
RGB Percent	0%, 72%, 91%
CMY	1.0000, 0.2784, 0.0902
CMYK	1.00, 0.21, 0.00, 0.09
HSL	192°, 100%, 45%
HSV	192°, 100%, 91%
XYZ	31.7060, 40.1072, 82.4143
YIQ	134.4560, -125.0720, -24.0800

# Conversions

## Conversions Part 2

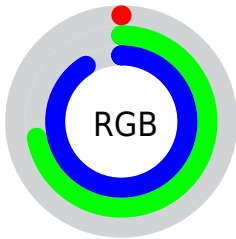
Format	Color
<b>RYB</b>	0, 103, 232
Decimal	47336
CIELab	69.55, -21.97, -34.78
CIELCh	70, 41.131, 237.722
Yxy	40.1072, 0.2056, 0.2601
Android (android.graphics.Color)	4278237416 (0xFF00B8E8)
YUV	134.4560, 48.0892, -117.9179
Hunter-Lab	63.3302, -21.4627, -32.8254

# Details

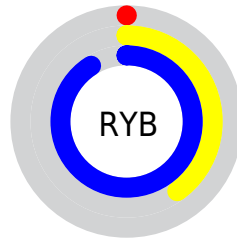
The Hex color **00B8E8** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **E83000**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **6CF0FF**, and **0083B0** is the 20% darker color. If you saturate the color by 10%, you get **00B8E8**, and if you desaturate by 10%, it is **17BDE8**.

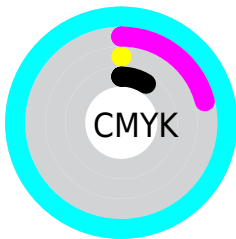
# Distribution



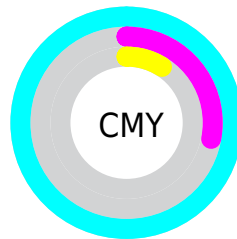
- Red (0%)
- Green (72%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (28%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B8E8 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 00B8E8 by changing the saturation by 10% instead.



 00B8E8

 00B8E8

FFFFFF

 009DCC

 6CF0FF

 0083B0

 8EFFFF

 006A95

 AEFFFF

 00517B

 CEFFFF

 003A62

 EDFFFF

 00254A

 000433

 00021D

 000000

 00B8E8

 17BDE8

 2EC2E8

 46C6E8

 5DCBE8

 74D0E8

 8BD5E8

 A2DAE8

 BADEE8

 D1E3E8

# Harmonies

## Analogous

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



00BDCB



00B8E8



6BAEF4

# Triad

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



00B8E8



EE8CAE



9EB266

# Complementary

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



00B8E8



E83000

# 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.



C4A75E



00B8E8



F18F89

# Square

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



00B8E8



D694D2



E19A6C



72BA81

# Rectangle

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



00B8E8



97A6F1



E19A6C



ACAF61

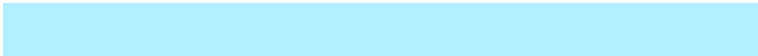


# Sweetspot

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



00B8E8



B3EFFF



00E82E



527680



000000



808080



# Same Dimension

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



00B8E8



00CAFF



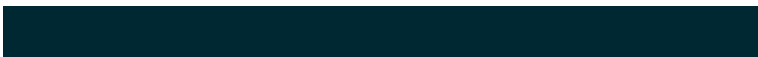
0046E8



677073



008EB3



002833



# Inverse Universe

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



E800B8



FF00CA



E8A200



736770



B3008E



330028



# Previews

## White Background



This preview shows how the Hex color 00B8E8 looks on a white background.

## Color Contrast Check

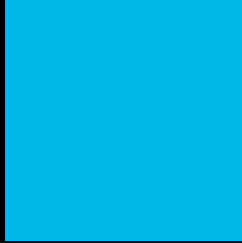
Large Text (above 18pt) WCAG AA × Fail

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 00B8E8 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 00B8E8 Background



This preview shows how black text looks on a background with the Hex color 00B8E8.



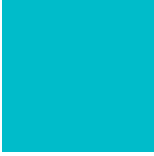
This preview shows how white text looks on a background with the Hex color 00B8E8.

# 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**  
00BCCA

# Trichromacy



**Original Color**  
00B8E8



**Protanomaly**  
63ADE0



**Deuteranomaly**  
5DADEB



**Tritanomaly**  
00BBD5

# Monochromacy



**Original Color**  
00B8E8



**Achromatopsia**  
868686



**Achromatomaly**  
5598AA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B8E8 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 #00B8E8 looks like.

```
.text, #text, p{  
    color:#00B8E8  
}
```

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 #00B8E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B8E8
}
```

## Border

The CSS property to change the border of an element to Hex 00B8E8 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
#00B8E8 }
```

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

```
.border{ border-color:#00B8E8 }
```

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

Here you see how a box with a 4 pixel #00B8E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B8E8; -webkit-box-shadow:4px 4px  
4px 4px #00B8E8; box-shadow:4px 4px 4px  
4px #00B8E8 }
```

# Background

The CSS property to change the background color of an element to Hex 00B8E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B8E8 }
```

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

```
.background{ background-color:#00B8E8 }
```

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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