

Converting Colors

Hex(00B7E2)

Have a look what the booklet for
Hex(00B7E2) contains.

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Color

Hex(00B7E2)

Conversions

Conversions Part 1

Format	Color
Hex	00B7E2
RGB	0, 183, 226
RGB Percent	0%, 72%, 89%
CMY	1.0000, 0.2824, 0.1137
CMYK	1.00, 0.19, 0.00, 0.11
HSL	191°, 100%, 44%
HSV	191°, 100%, 89%
XYZ	30.6610, 39.3580, 77.9323
YIQ	133.1850, -122.8710, -25.4230

Conversions

Conversions Part 2

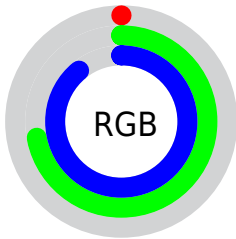
Format	Color
RYB	0, 101, 226
Decimal	47074
CIELab	69.01, -23.51, -32.33
CIELCh	69, 39.976, 233.982
Yxy	39.3580, 0.2072, 0.2660
Android (android.graphics.Color)	4278237154 (0xFF00B7E2)
YUV	133.1850, 45.7578, -116.8032
Hunter-Lab	62.7359, -22.5495, -29.7366

Details

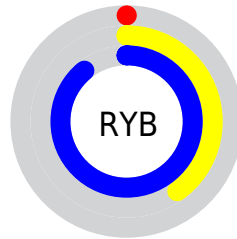
The Hex color **00B7E2** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **E22B00**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **6BEFFF**, and **0082AA** is the 20% darker color. If you saturate the color by 10%, you get **00B7E2**, and if you desaturate by 10%, it is **17BBE2**.

Distribution



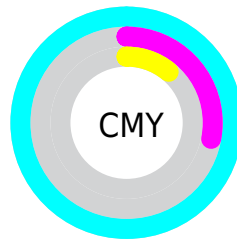
- Red (0%)
- Green (72%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B7E2 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 00B7E2 by changing the saturation by 10% instead.

 00B7E2

 00B7E2

FFFFFF

 009CC6

 6BEFFF

 0082AA

 8CFFFF

 006990

 ACFFFF

 005076

 CCFFFF

 00395D

 EBFFFF

 002445

 00042F

 000119

 000000

 00B7E2

 17BBE2

 2DC0E2

 44C4E2

 5AC8E2

 71CDE2

 88D1E2

 9ED5E2

 B5D9E2

 CBDEE2

Harmonies

Analogous

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



00BBC5



00B7E2



64AEF0

Triad

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



00B7E2



E98CB1



A2AF65

Complementary

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



00B7E2



E2B00

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.



C6A460



00B7E2



EE8E8D

Square

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



00B7E2



CF95D3



E1976F



78B77D

Rectangle

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



00B7E2



8FA6EE



E1976F



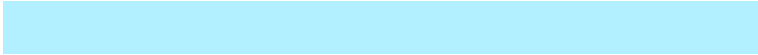
AFAC61

Sweetspot

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



00B7E2



B3F0FF



00E229



527780



000000



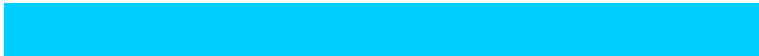
808080

Same Dimension

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



00B7E2



00CEFF



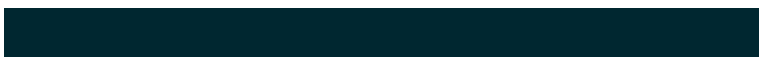
0048E2



656E70



008EB0



002730

Inverse Universe

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



E200B7



FF00CE



E29A00



70656E



B0008E



300027

Previews

White Background



This preview shows how the Hex color 00B7E2 looks on a white background.

Color Contrast Check

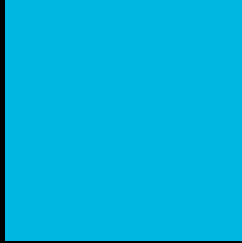
Large Text (above 18pt) WCAG AA × Fail

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 00B7E2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

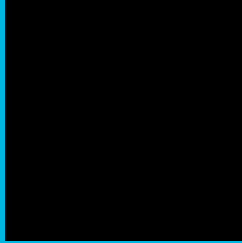
Any Text WCAG AA ✓ Pass

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 00B7E2 Background



This preview shows how black text looks on a background with the Hex color 00B7E2.

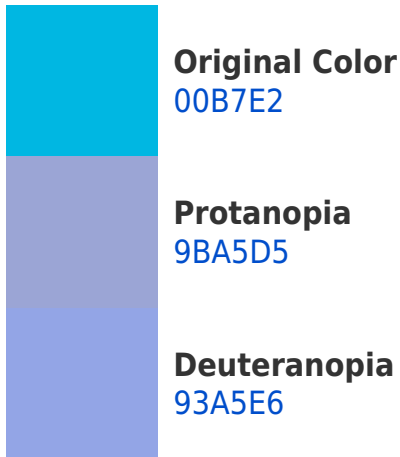


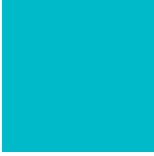
This preview shows how white text looks on a background with the Hex color 00B7E2.

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
00BAC9

Trichromacy



Original Color
00B7E2



Protanomaly
63ACDA



Deuteranomaly
5EACE5



Tritanomaly
00B9D2

Monochromacy



Original Color
00B7E2



Achromatopsia
858585



Achromatomaly
5597A7

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B7E2 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 #00B7E2 looks like.

```
.text, #text, p{  
    color:#00B7E2  
}
```

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 #00B7E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B7E2
}
```

Border

The CSS property to change the border of an element to Hex 00B7E2 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
#00B7E2 }
```

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

```
.border{ border-color:#00B7E2 }
```

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

Here you see how a box with a 4 pixel #00B7E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B7E2; -webkit-box-shadow:4px 4px  
4px 4px #00B7E2; box-shadow:4px 4px 4px  
4px #00B7E2 }
```

Background

The CSS property to change the background color of an element to Hex 00B7E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B7E2 }
```

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

```
.background{ background-color:#00B7E2 }
```

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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