

# Converting Colors

Hex(10B8EB)

Have a look what the booklet for  
Hex(10B8EB) contains.

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# **Color**

**Hex(10B8EB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	10B8EB
RGB	16, 184, 235
RGB Percent	6%, 72%, 92%
CMY	0.9373, 0.2784, 0.0784
CMYK	0.93, 0.22, 0.00, 0.08
HSL	194°, 87%, 49%
HSV	194°, 93%, 92%
XYZ	32.3496, 40.3893, 84.6882
YIQ	139.5820, -116.4990, -19.7550

# Conversions

## Conversions Part 2

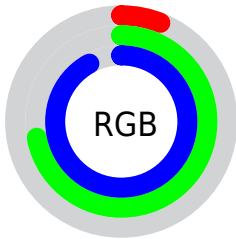
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 111, 235
Decimal	1095915
CIELab	69.75, -20.50, -36.09
CIElCh	70, 41.506, 240.407
Yxy	40.3893, 0.2055, 0.2566
Android (android.graphics.Color)	4279285995 (0xFF10B8EB)
YUV	139.5820, 47.0411, -108.3814
Hunter-Lab	63.5526, -20.3568, -34.5212

# Details

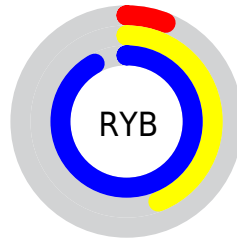
The Hex color **10B8EB** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **EB4310**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **70F0FF**, and **0083B3** is the 20% darker color. If you saturate the color by 10%, you get **00B4EB**, and if you desaturate by 10%, it is **28BDEB**.

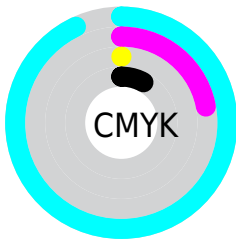
# Distribution



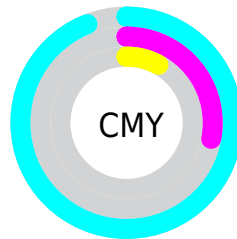
- Red (6%)
- Green (72%)
- Blue (92%)



- Red (6%)
- Yellow (44%)
- Blue (92%)



- Cyan (93%)
- Magenta (22%)
- Yellow (0%)
- Black (8%)



- Cyan (94%)
- Magenta (28%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 10B8EB 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 10B8EB by changing the saturation by 10% instead.



 10B8EB

 10B8EB

FFFFFF

 009DCF

 70F0FF

 0083B3

 91FFFF

 006A98

 B1FFFF

 00517E


 D0FFFF

 003A65

 F0FFFF

 00254C

 000536

 00021F

 000003

■ 10B8EB

■ 10B8EB

■ 00B4EB

■ 28BDEB

■ 3FC3EB

■ 57C8EB

■ 6ECEEB

■ 86D3EB

■ 9DD9EB

■ B5DEEB

■ CCE4EB

■ E3E9EB

# Harmonies

## Analogous

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



00BDCF



10B8EB



71AEF5

# Triad

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



10B8EB



F08CAB



9BB368

# Complementary

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



10B8EB



EB4310

# 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.



C2A85E



10B8EB



F19086

# Square

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



10B8EB



DA93D0



E09B6A



6DBB84

# Rectangle

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



10B8EB



9CA5F1



E09B6A



A9B062

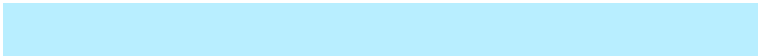


# Sweetspot

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



10B8EB



B8EEFF



10EB3F



547580



000000



808080

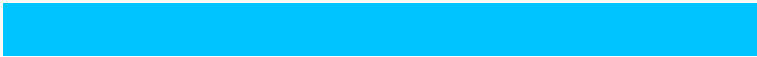


# Same Dimension

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



10B8EB



00C4FF



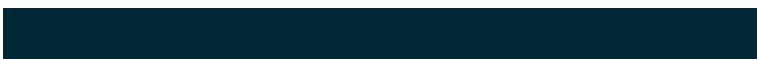
104EEB



6A7375



008BB5



002936



# Inverse Universe

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



EB10B8



FF00C4



EBAD10



756A73



B5008B

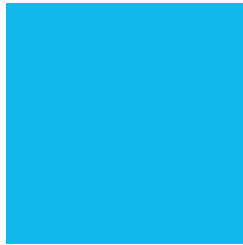


360029



# Previews

## White Background



This preview shows how the Hex color 10B8EB looks on a white background.

## Color Contrast Check

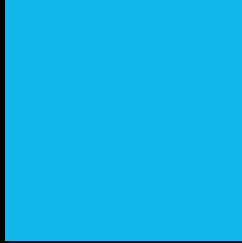
Large Text (above 18pt) WCAG AA × Fail

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 10B8EB 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 10B8EB Background



This preview shows how black text looks on a background with the Hex color 10B8EB.

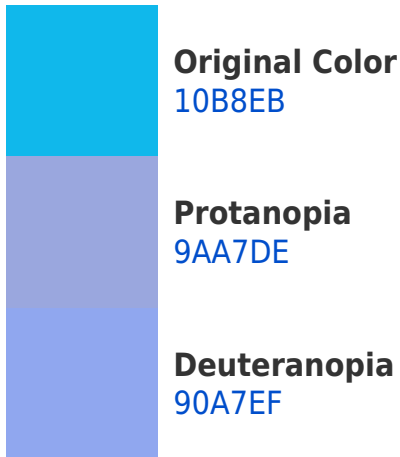


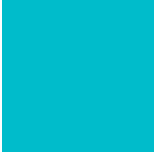
This preview shows how white text looks on a background with the Hex color 10B8EB.

# 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](#).

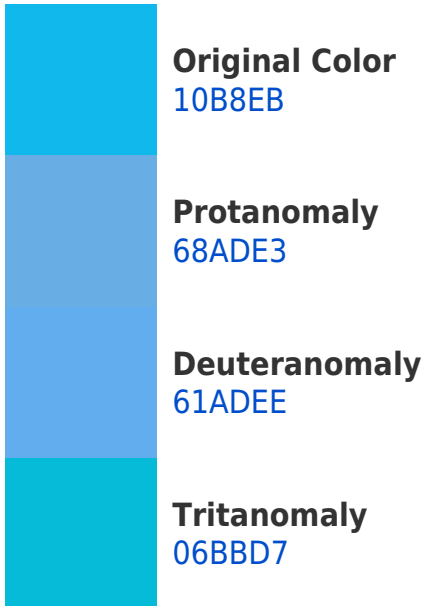
## Dichromacy



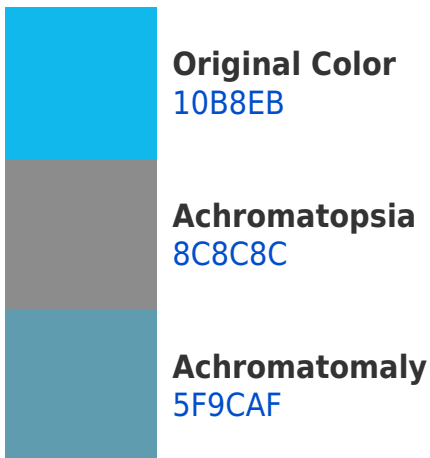


**Tritanopia**  
00BCCB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 10B8EB 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 #10B8EB looks like.

```
.text, #text, p{  
    color:#10B8EB  
}
```

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 #10B8EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #10B8EB
}
```

## Border

The CSS property to change the border of an element to Hex 10B8EB 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
#10B8EB }
```

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

```
.border{ border-color:#10B8EB }
```

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

Here you see how a box with a 4 pixel #10B8EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #10B8EB; -webkit-box-shadow:4px 4px  
4px 4px #10B8EB; box-shadow:4px 4px 4px  
4px #10B8EB }
```

# Background

The CSS property to change the background color of an element to Hex 10B8EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#10B8EB }
```

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

```
.background{ background-color:#10B8EB }
```

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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