

# Converting Colors

Hex(21B3EA)

Have a look what the booklet for  
Hex(21B3EA) contains.

<b>Hex(21B3EA)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(21B3EA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21B3EA
RGB	33, 179, 234
RGB Percent	13%, 70%, 92%
CMY	0.8706, 0.2980, 0.0824
CMYK	0.86, 0.24, 0.00, 0.08
HSL	196°, 83%, 52%
HSV	196°, 86%, 92%
XYZ	31.5986, 38.5040, 83.6085
YIQ	141.6160, -104.6710, -13.8470

# Conversions

## Conversions Part 2

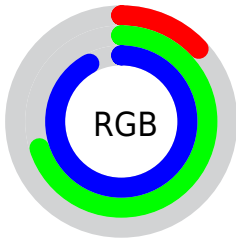
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 118, 234
Decimal	2208746
CIELab	68.39, -17.38, -37.64
CIELCh	68, 41.461, 245.221
Yxy	38.5040, 0.2056, 0.2505
Android (android.graphics.Color)	4280398826 (0xFF21B3EA)
YUV	141.6160, 45.5453, -95.2562
Hunter-Lab	62.0516, -17.6927, -36.4513

# Details

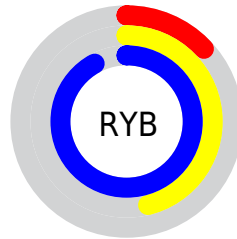
The Hex color **21B3EA** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **EA5821**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **74EBFF**, and **007EB2** is the 20% darker color. If you saturate the color by 10%, you get **0AADEA**, and if you desaturate by 10%, it is **38B9EA**.

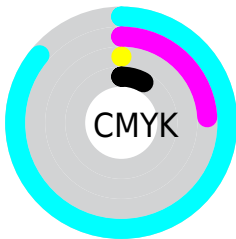
# Distribution



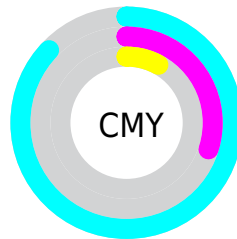
- Red (13%)
- Green (70%)
- Blue (92%)



- Red (13%)
- Yellow (46%)
- Blue (92%)



- Cyan (86%)
- Magenta (24%)
- Yellow (0%)
- Black (8%)



- Cyan (87%)
- Magenta (30%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21B3EA 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 21B3EA by changing the saturation by 10% instead.



 21B3EA

 21B3EA

FFFFFF

 0098CE

 74EBFF

 007EB2

 95FFFF

 006597

 B4FFFF

 004D7D

 D3FFFF

 003664

 F3FFFF

 00224B

 000535

 00021E

 000001

■ 21B3EA

■ 21B3EA

■ 0AADEA

■ 38B9EA

■ 00AAEA

■ 50C0EA

■ 67C6EA

■ 7FCDEA

■ 96D3EA

■ ADD9EA

■ C5E0EA

■ DCE6EA

■ F4EDEA

# Harmonies

## Analogous

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



00B9D1



21B3EA



78A8F1

# Triad

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



21B3EA



EE89A2



90B168

# Complementary

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



21B3EA



EA5821

# 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.



B8A75B



21B3EA



EC8E7D

# Square

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



21B3EA



DB8EC7



D89A63



61B886

# Rectangle

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



21B3EA



A29FEA



D89A63



9EAE61

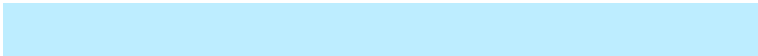


# Sweetspot

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



21B3EA



BDEDFF



21EA57



587580



000000



808080

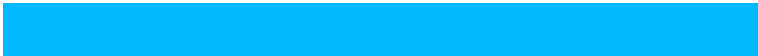


# Same Dimension

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



21B3EA



00B9FF



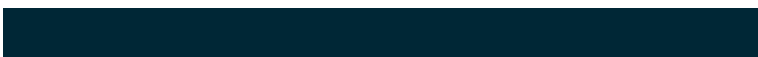
2150EA



6A7275



0084B5



002736



# Inverse Universe

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



EA21B3



FF00B9



EABB21



756A72



B50084

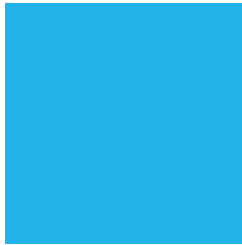


360027



# Previews

## White Background



This preview shows how the Hex color 21B3EA looks on a white background.

## Color Contrast Check

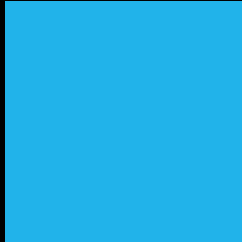
Large Text (above 18pt) WCAG AA × Fail

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 21B3EA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

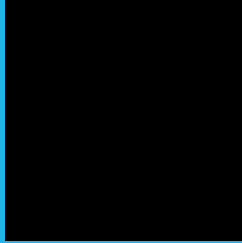
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

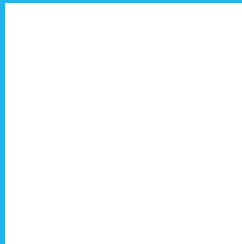
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 21B3EA Background



This preview shows how black text looks on a background with the Hex color 21B3EA.

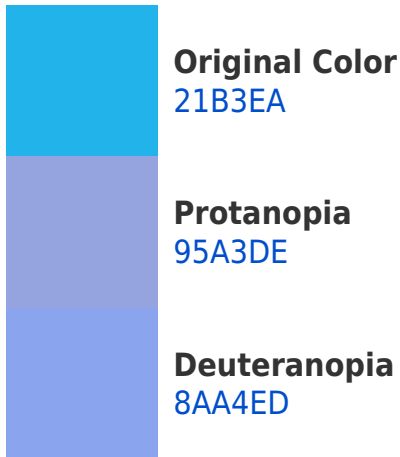


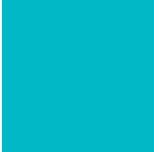
This preview shows how white text looks on a background with the Hex color 21B3EA.

# 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



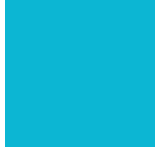
**Original Color**  
21B3EA



**Protanomaly**  
6BA9E2



**Deuteranomaly**  
64A9EC



**Tritanomaly**  
0CB6D3

# Monochromacy



**Original Color**  
21B3EA



**Achromatopsia**  
8E8E8E



**Achromatomaly**  
669BAF

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21B3EA 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 #21B3EA looks like.

```
.text, #text, p{  
    color:#21B3EA  
}
```

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 #21B3EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21B3EA
}
```

## Border

The CSS property to change the border of an element to Hex 21B3EA 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
#21B3EA }
```

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

```
.border{ border-color:#21B3EA }
```

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

Here you see how a box with a 4 pixel #21B3EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21B3EA; -webkit-box-shadow:4px 4px  
4px 4px #21B3EA; box-shadow:4px 4px 4px  
4px #21B3EA }
```

# Background

The CSS property to change the background color of an element to Hex 21B3EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21B3EA }
```

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

```
.background{ background-color:#21B3EA }
```

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