

# Converting Colors

Hex(21EAF1)

Have a look what the booklet for  
Hex(21EAF1) contains.

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# Color

**Hex(21EAF1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21EAF1
RGB	33, 234, 241
RGB Percent	13%, 92%, 95%
CMY	0.8706, 0.0824, 0.0549
CMYK	0.86, 0.03, 0.00, 0.05
HSL	182°, 88%, 54%
HSV	182°, 86%, 95%
XYZ	45.9272, 65.5198, 93.4451
YIQ	174.6990, -122.0430, -40.4350

# Conversions

## Conversions Part 2

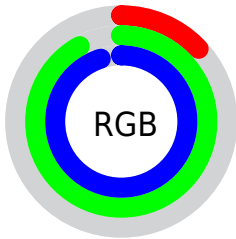
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 135, 241
Decimal	2222833
CIE <sub>Lab</sub>	84.75, -41.91, -16.35
CIE <sub>LCh</sub>	85, 44.992, 201.314
Yxy	65.5198, 0.2242, 0.3198
Android (android.graphics.Color)	4280412913 (0xFF21EAF1)
YUV	174.6990, 32.6864, -124.2700
Hunter-Lab	80.9443, -40.3730, -11.7855




# Details

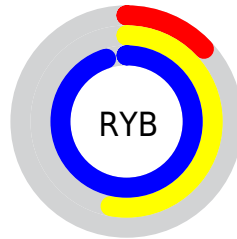
The Hex color **21EAF1** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **F12821**, and the grayscale version is **AEAEAE**.




A 20% lighter version of the original color is **7BFFFF**, and **00B2B9** is the 20% darker color. If you saturate the color by 10%, you get **09E9F1**, and if you desaturate by 10%, it is **39EBF1**.

# Distribution







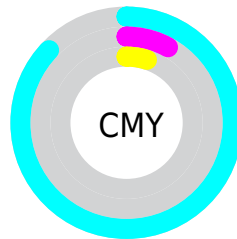
-  Red (13%)
-  Green (92%)
-  Blue (95%)






-  Red (13%)
-  Yellow (53%)
-  Blue (95%)



-  Cyan (86%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (5%)



-  Cyan (87%)
-  Magenta (8%)
-  Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21EAF1 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 21EAF1 by changing the saturation by 10% instead.



 21EAF1

 21EAF1

FFFFFF

 00CDD5

 7BFFFF

 00B2B9

 9DFFFF

 00969E

 BEFFFF

 007C84

 DEFFFF

 00626B

FEFFFF

 004953

 00323C

 001B26

 000111

■ 21EAF1

■ 21EAF1

■ 09E9F1

■ 39EBF1

■ 00E9F1

■ 51ECF1

■ 69ECF1

■ 81EDF1

■ 99EEF1

■ B2EFF1

■ CAF0F1

■ E2F0F1

■ FAF1F1

# Harmonies

## Analogous

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



67EAC5



21EAF1



2CE5FF

# Triad

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



21EAF1



FDBEFF



FBCD7F

# Complementary

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



21EAF1



F12821

# 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.



FFBE93



21EAF1



FFB4E2

# Square

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



21EAF1



C6CFFF



FFB4B7



D1DA83

# Rectangle

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



21EAF1



65DFFF



FFB4B7



FFC883



# Sweetspot

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



21EAF1



BDFDFF



21F128



587E80



000000



808080



# Same Dimension

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



21EAF1



00F6FF



2182F1



6C7778



00B1B8



003638



# Inverse Universe

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



F121EA



FF00F6



F19021



786C77



B800B1

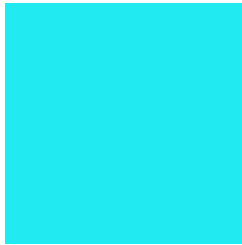


380036



# Previews

## White Background



This preview shows how the Hex color 21EAF1 looks on a white background.

## Color Contrast Check

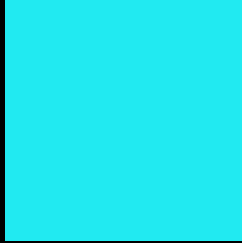
Large Text (above 18pt) WCAG AA × Fail

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 21EAF1 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 21EAF1 Background



This preview shows how black text looks on a background with the Hex color 21EAF1.

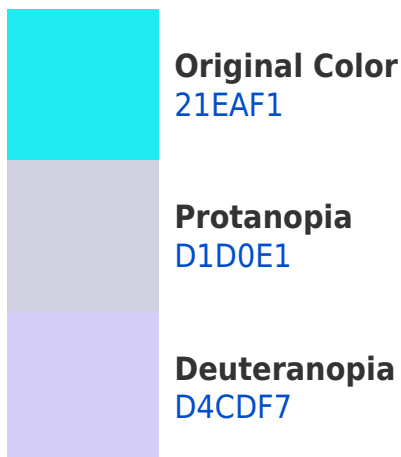


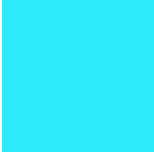
This preview shows how white text looks on a background with the Hex color 21EAF1.

# 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



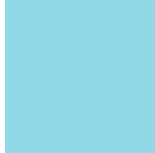


**Tritanopia**  
2EE8FB

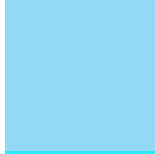
# Trichromacy



**Original Color**  
21EAF1



**Protanomaly**  
91D9E7



**Deuteranomaly**  
93D8F5

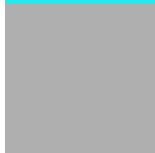


**Tritanomaly**  
29E9F7

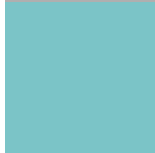
# Monochromacy



**Original Color**  
21EAF1



**Achromatopsia**  
AFAFAF



**Achromatomaly**  
7BC4C7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21EAF1 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 #21EAF1 looks like.

```
.text, #text, p{  
    color:#21EAF1  
}
```

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 #21EAF1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21EAF1
}
```

## Border

The CSS property to change the border of an element to Hex 21EAF1 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
#21EAF1 }
```

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

```
.border{ border-color:#21EAF1 }
```

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

Here you see how a box with a 4 pixel #21EAF1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21EAF1; -webkit-box-shadow:4px 4px  
4px 4px #21EAF1; box-shadow:4px 4px 4px  
4px #21EAF1 }
```

# Background

The CSS property to change the background color of an element to Hex 21EAF1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21EAF1 }
```

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

```
.background{ background-color:#21EAF1 }
```

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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