

# Converting Colors

Hex(21FFDB)

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

<b>Hex(21FFDB)</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(21FFDB)

# Conversions

## Conversions Part 1

Format	Color
Hex	21FFDB
RGB	33, 255, 219
RGB Percent	13%, 100%, 86%
CMY	0.8706, 0.0000, 0.1412
CMYK	0.87, 0.00, 0.14, 0.00
HSL	170°, 100%, 56%
HSV	170°, 87%, 100%
XYZ	49.1734, 76.9578, 79.2805
YIQ	184.5180, -120.7560, -58.2600

# Conversions

## Conversions Part 2

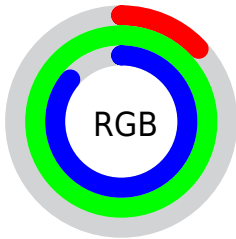
Format	Color
<a href="#">RYB</a>	<a href="#">33, 154, 255</a>
Decimal	<a href="#">2228187</a>
CIELab	<a href="#">90.30, -56.81, 3.35</a>
CIELCh	<a href="#">90, 56.907, 176.624</a>
Yxy	<a href="#">76.9578, 0.2394, 0.3747</a>
Android (android.graphics.Color)	<a href="#">4280418267 (0xFF21FFDB)</a>
YUV	<a href="#">184.5180, 16.9996, -132.8813</a>
Hunter-Lab	<a href="#">87.7256, -53.4641, 7.8256</a>

# Details

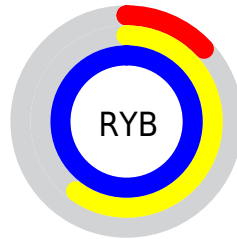
The Hex color **21FFDB** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **FF2145**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **7DFFFF**, and **00C5A4** is the 20% darker color. If you saturate the color by 10%, you get **08FFD7**, and if you desaturate by 10%, it is **3AFFDF**.

# Distribution



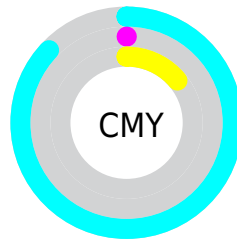
- Red (13%)
- Green (100%)
- Blue (86%)



- Red (13%)
- Yellow (60%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (87%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

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



 21FFDB

 21FFDB

FFFFFF

 00E2BF

 7DFFFF

 00C5A4

 9FFFFFF

 00A98A

 C0FFFF

 008E70

 E0FFFF

 007358

 005941

 00402B

 002916

 000200

 21FFDB

 21FFDB

 08FFD7

 3AFFDF

 00FFD6

 54FFE3

 6DFFE7

 87FFEC

 A1FFF0

 BAFFF4

 D3FFF8

 EDFFFC

FFFFFF

# Harmonies

## Analogous

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



92FAA5



21FFDB



00FFFF

# Triad

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



21FFDB



DFD7FF



FFCA8A

# Complementary

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



21FFDB



FF2145

# 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.



FFBAB5



21FFDB



FFC3FF

# Square

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



21FFDB



7BEBFF



FFB7EC



FFDE74

# Rectangle

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



21FFDB



00BFFF



FFB7EC



FFC496



# Sweetspot

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



21FFDB



BDFFF4



46FF21



588079



000000



808080



# Same Dimension

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



21FFDB



00FFD6



21B5FF



73807D



00BFA0



004035



# Inverse Universe

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



FF2145



FF0029



FF6B21



807375



BF001F

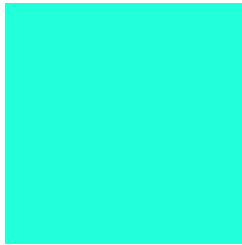


40000A



# Previews

## White Background



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

## Color Contrast Check

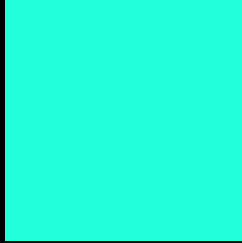
Large Text (above 18pt) WCAG AA × Fail

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 21FFDB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

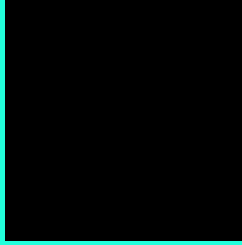
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 21FFDB Background



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

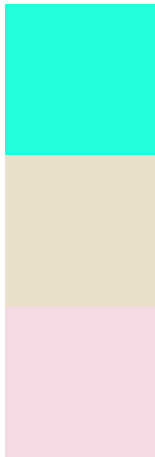


This preview shows how white text looks on a background with the Hex color 21FFDB.

# 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](#).

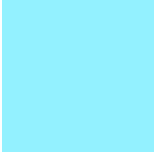
## Dichromacy



**Original Color**  
21FFDB

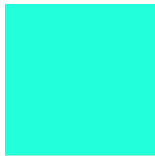
**Protanopia**  
EAE0CA

**Deuteranopia**  
F6DAE3



**Tritanopia**  
93F1FF

# Trichromacy



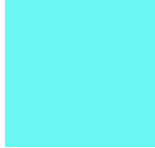
**Original Color**  
21FFDB



**Protanomaly**  
A1EBD0



**Deuteranomaly**  
A9E7E0

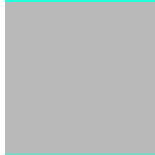


**Tritanomaly**  
6AF6F2

# Monochromacy



**Original Color**  
21FFDB



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
82D2C5

# CSS Examples

## Text

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

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

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 #21FFDB colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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