

# Converting Colors

Hex(21FDEA)

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

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# Color

Hex(21FDEA)

# Conversions

## Conversions Part 1

Format	Color
Hex	21FDEA
RGB	33, 253, 234
RGB Percent	13%, 99%, 92%
CMY	0.8706, 0.0078, 0.0824
CMYK	0.87, 0.00, 0.08, 0.01
HSL	175°, 98%, 56%
HSV	175°, 87%, 99%
XYZ	50.6038, 76.5144, 89.9436
YIQ	185.0540, -125.0210, -52.5490

# Conversions

## Conversions Part 2

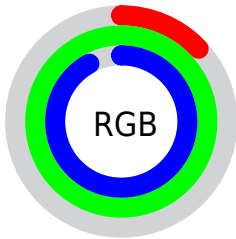
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	33, 148, 253
Decimal	2227690
CIE Lab	90.10, -52.07, -4.73
CIE LCh	90, 52.286, 185.191
Yxy	76.5144, 0.2331, 0.3525
Android (android.graphics.Color)	4280417770 (0xFF21FDEA)
YUV	185.0540, 24.1304, -133.3514
Hunter-Lab	87.4725, -49.8128, 0.2658

# Details

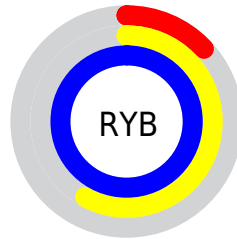
The Hex color **21FDEA** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **FD2134**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **7DFFFF**, and **00C3B2** is the 20% darker color. If you saturate the color by 10%, you get **08FDE8**, and if you desaturate by 10%, it is **3AFDEC**.

# Distribution



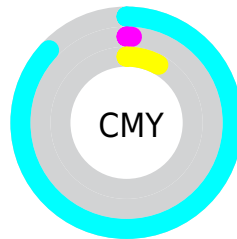
- Red (13%)
- Green (99%)
- Blue (92%)



- Red (13%)
- Yellow (58%)
- Blue (99%)



- Cyan (87%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)



- Cyan (87%)
- Magenta (1%)
- Yellow (8%)

# Brightness & Saturation Gradients

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



 21FDEA

 21FDEA

FFFFFF

 00E0CE

 7DFFFF

 00C3B2

 A0FFFF

 00A798

 C1FFFF


 008C7E

 E1FFFF

 007265

 00584D

 003F36

 002921

 00010C

 21FDEA

 21FDEA

 08FDE8

 3AFDEC

 00FDE7

 54FDEE

 6DFDF1

 86DFDF3

 9FFDF5

 B9DFDF7

 D2DFDF9

 EBFDFB

 FFFDFE

# Harmonies

## Analogous

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



86F9B7



21FDEA



00FBFF

# Triad

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



21FDEA



F3D2FF



FFD188

# Complementary

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



21FDEA



FD2134

# 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.



FFC1AC



21FDEA



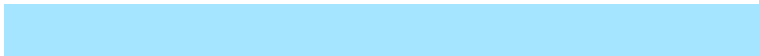
FFC1FF

# Square

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



21FDEA



A5E5FF



FFBADC



FAE37D

# Rectangle

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



21FDEA



00F6FF



FFBADC



FFCB92



# Sweetspot

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



21FDEA



BDFFF9



37FD21



58807C



000000



808080



# Same Dimension

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



21FDEA



00FFE9



21A5FD



73807E



00BFAF



00403A



# Inverse Universe

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



FD2134



FF0016



FD7921



807374



BF0011

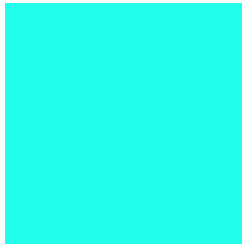


400006



# Previews

## White Background



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

## Color Contrast Check

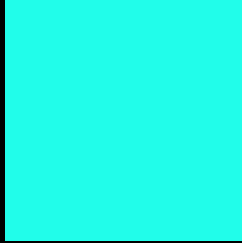
Large Text (above 18pt) WCAG AA × Fail

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 21FDEA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

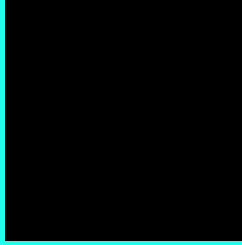
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 21FDEA Background



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

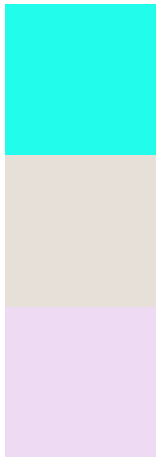


This preview shows how white text looks on a background with the Hex color 21FDEA.

# 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](#).

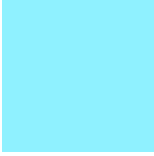
## Dichromacy



**Original Color**  
21FDEA

**Protanopia**  
E6E0D9

**Deuteranopia**  
EEDAF2

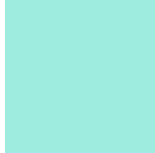


**Tritanopia**  
8FF1FF

# Trichromacy



**Original Color**  
21FDEA



**Protanomaly**  
9EEBDF



**Deuteranomaly**  
A3E7EF

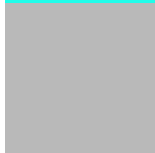


**Tritanomaly**  
67F5F7

# Monochromacy



**Original Color**  
21FDEA



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
82D2CB

# CSS Examples

## Text

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

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

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 #21FDEA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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