

# Converting Colors

Hex(66FDEA)

Have a look what the booklet for  
Hex(66FDEA) contains.

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# **Color**

**Hex(66FDEA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FDEA
RGB	102, 253, 234
RGB Percent	40%, 99%, 92%
CMY	0.6000, 0.0078, 0.0824
CMYK	0.60, 0.00, 0.08, 0.01
HSL	172°, 97%, 70%
HSV	172°, 60%, 99%
XYZ	55.4561, 79.0159, 90.1706
YIQ	205.6850, -83.8970, -37.9210

# Conversions

## Conversions Part 2

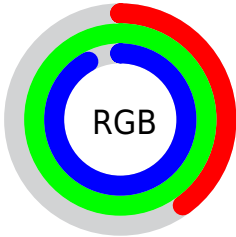
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 183, 253
Decimal	6749674
CIELab	91.24, -44.44, -2.92
CIELCh	91, 44.538, 183.755
Yxy	79.0159, 0.2469, 0.3517
Android (android.graphics.Color)	4284939754 (0xFF66FDEA)
YUV	205.6850, 13.9593, -90.9317
Hunter-Lab	88.8909, -44.1988, 2.0800

# Details

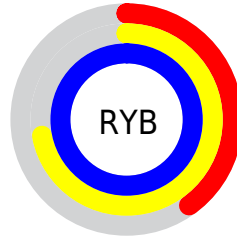
The Hex color **66FDEA** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **FD6679**, and the grayscale version is **CECECE**.

A 20% lighter version of the original color is **A6FFFF**, and **00C4B2** is the 20% darker color. If you saturate the color by 10%, you get **4DFDE7**, and if you desaturate by 10%, it is **7FFDED**.

# Distribution



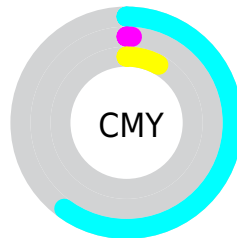
- Red (40%)
- Green (99%)
- Blue (92%)



- Red (40%)
- Yellow (72%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)



- Cyan (60%)
- Magenta (1%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66FDEA 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 66FDEA by changing the saturation by 10% instead.



 66FDEA

 66FDEA

FFFFFF

 42E0CE

 A6FFFF

 00C4B2

 C5FFFF

 00A898

 E4FFFF

 008D7E

 007365

 00594D

 004136

 002B21

 00090B

66FDEA

66FDEA

4DFDE7

7FFDED

33FDE4

99FDF0

1AFDE0

B2FDF4

01FDDD

CBFDF7

00FDDD

E5FDFA

FEFDFD

FFFDFD

# Harmonies

## Analogous

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



9DFABF



66FDEA



42FBFF

# Triad

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



66FDEA



F2D9FF



FFD69A

# Complementary

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



66FDEA



FD6679

# 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.



FFCAB9



66FDEA



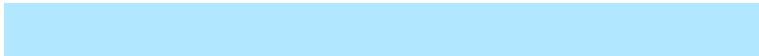
FFCBFF

# Square

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



66FDEA



B2E8FF



FFC5E2



FDE590

# Rectangle

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



66FDEA



57F7FF



FFC5E2



FFD2A3



# Sweetspot

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



66FDEA



D1FFF9



7AFD66



63807C



000000



808080



# Same Dimension

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



66FDEA



47FFE8



66C6FD



73807E



00BFA7



004038



# Inverse Universe

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



FD6679



FF475F



FD9D66



807374



BF0018

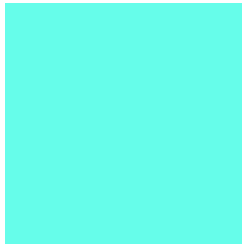


400008



# Previews

## White Background



This preview shows how the Hex color 66FDEA looks on a white background.

## Color Contrast Check

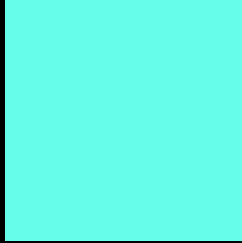
Large Text (above 18pt) WCAG AA × Fail

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 66FDEA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

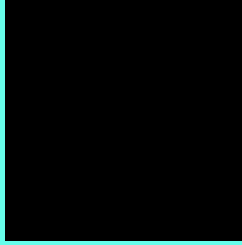
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

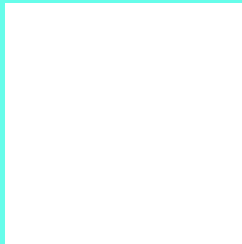
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66FDEA Background



This preview shows how black text looks on a background with the Hex color 66FDEA.

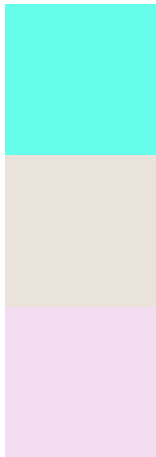


This preview shows how white text looks on a background with the Hex color 66FDEA.

# 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](#).

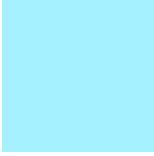
## Dichromacy



**Original Color**  
66FDEA

**Protanopia**  
EAE3DB

**Deuteranopia**  
F4DDF1

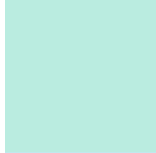


**Tritanopia**  
A6F1FF

# Trichromacy



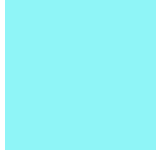
**Original Color**  
66FDEA



**Protanomaly**  
BAECE0

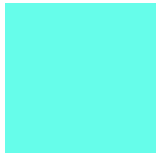


**Deuteranomaly**  
C0E9EE

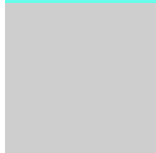


**Tritanomaly**  
8FF5F7

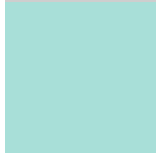
# Monochromacy



**Original Color**  
66FDEA



**Achromatopsia**  
CECECE



**Achromatomaly**  
A8DFD8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66FDEA 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 #66FDEA looks like.

```
.text, #text, p{  
    color:#66FDEA  
}
```

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 #66FDEA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66FDEA
}
```

## Border

The CSS property to change the border of an element to Hex 66FDEA 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
#66FDEA }
```

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

```
.border{ border-color:#66FDEA }
```

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

Here you see how a box with a 4 pixel #66FDEA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66FDEA; -webkit-box-shadow:4px 4px  
4px 4px #66FDEA; box-shadow:4px 4px 4px  
4px #66FDEA }
```

# Background

The CSS property to change the background color of an element to Hex 66FDEA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66FDEA }
```

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

```
.background{ background-color:#66FDEA }
```

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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