

# Converting Colors

Hex(4DDFAE)

Have a look what the booklet for  
Hex(4DDFAE) contains.

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# Color

**Hex(4DDFAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DDFAE
RGB	77, 223, 174
RGB Percent	30%, 87%, 68%
CMY	0.6980, 0.1255, 0.3176
CMYK	0.65, 0.00, 0.22, 0.13
HSL	160°, 70%, 59%
HSV	160°, 65%, 87%
XYZ	37.0882, 57.4091, 49.1707
YIQ	173.7600, -71.2870, -46.1910

# Conversions

## Conversions Part 2

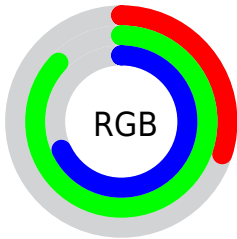
Format	Color
<a href="#">RYB</a>	<a href="#">77, 165, 223</a>
Decimal	<a href="#">5103534</a>
CIELab	<a href="#">80.41, -50.18, 12.78</a>
CIELCh	<a href="#">80, 51.786, 165.712</a>
Yxy	<a href="#">57.4091, 0.2582, 0.3996</a>
Android (android.graphics.Color)	<a href="#">4283293614</a> ( <a href="#">0xFF4DDFAE</a> )
YUV	<a href="#">173.7600, 0.1183, -84.8585</a>
Hunter-Lab	<a href="#">75.7688, -45.2211, 14.5615</a>

# Details

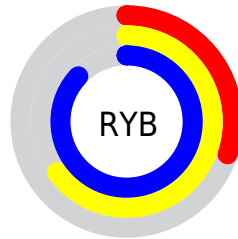
The Hex color **4DDFAE** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **DF4D7E**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **8DFFE6**, and **00A77A** is the 20% darker color. If you saturate the color by 10%, you get **37DFA7**, and if you desaturate by 10%, it is **63DFB5**.

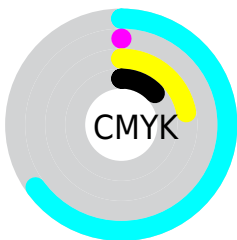
# Distribution



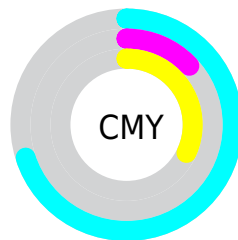
- Red (30%)
- Green (87%)
- Blue (68%)



- Red (30%)
- Yellow (65%)
- Blue (87%)



- Cyan (65%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)



- Cyan (70%)
- Magenta (13%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4DDFAE 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 4DDFAE by changing the saturation by 10% instead.



 4DDFAE

 4DDFAE

FFFFFF

 24C393

 8DFFE6

 00A77A

 ABFFFF

 008C61

 C9FFFF

 007149

 E8FFFF

 005832

 003F1D

 002905

 000300

 000000

 4DDFAE

 4DDFAE

 37DFA7

 63DFB5

 20DF9F

 7ADFB D

 0ADF98

 90DFC4

 00DF94

 A6DFCC

 BDDFD3

 D3DFDB

 E9DFE2

 FFD FEA

 FFD FF1

# Harmonies

## Analogous

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



96D882



4DDFAE



00E1E0

# Triad

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



4DDFAE



A7C4FF



FFAC84

# Complementary

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



4DDFAE



DF4D7E

# 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.



FFA1B0



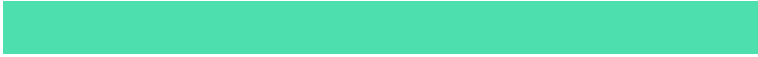
4DDFAE



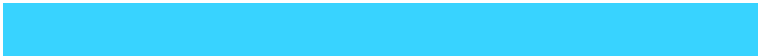
ECB1FF

# Square

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



4DDFAE



38D3FF



FFA3E1



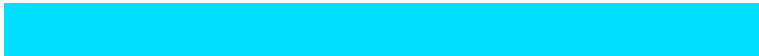
F9BD69

# Rectangle

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



4DDFAE



00DFFF



FFA3E1



FFA792

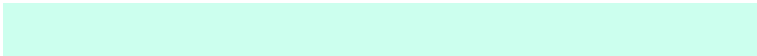


# Sweetspot

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



4DDFAE



CCFFEE



80DF4D



618075



000000



808080



# Same Dimension

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



4DDFAE



36FFBB



4DC9DF



65706C



00B075



003020



# Inverse Universe

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



DF4D7E



FF3679



DF634D



706569



B0003B

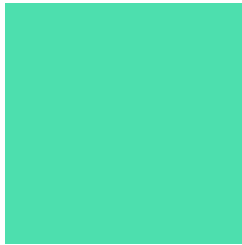


300010



# Previews

## White Background



This preview shows how the Hex color 4DDFAE looks on a white background.

## Color Contrast Check

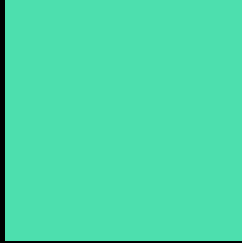
Large Text (above 18pt) WCAG AA × Fail

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 4DDFAE 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 4DDFAE Background



This preview shows how black text looks on a background with the Hex color 4DDFAE.

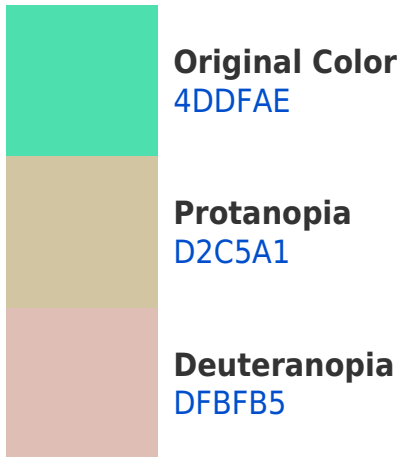


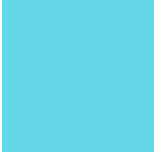
This preview shows how white text looks on a background with the Hex color 4DDFAE.

# 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**  
64D7E9

# Trichromacy



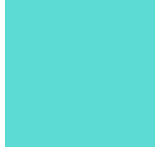
**Original Color**  
4DDFAE



**Protanomaly**  
A2CEA6



**Deuteranomaly**  
AACBB2

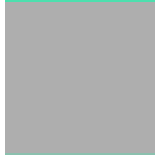


**Tritanomaly**  
5CDAD4

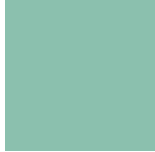
# Monochromacy



**Original Color**  
4DDFAE



**Achromatopsia**  
AEAEAE



**Achromatomaly**  
8BC0AE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4DDFAE 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 #4DDFAE looks like.

```
.text, #text, p{  
    color:#4DDFAE  
}
```

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 #4DDFAE colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Hex 4DDFAE 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
#4DDFAE }
```

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

```
.border{ border-color:#4DDFAE }
```

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

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

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

# Background

The CSS property to change the background color of an element to Hex 4DDFAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4DDFAE }
```

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

```
.background{ background-color:#4DDFAE }
```

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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