

# Converting Colors

Hex(49D7AB)

Have a look what the booklet for  
Hex(49D7AB) contains.

<b>Hex(49D7AB)</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(49D7AB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49D7AB
RGB	73, 215, 171
RGB Percent	29%, 84%, 67%
CMY	0.7137, 0.1569, 0.3294
CMYK	0.66, 0.00, 0.20, 0.16
HSL	161°, 64%, 56%
HSV	161°, 66%, 84%
XYZ	34.3988, 52.9576, 46.9369
YIQ	167.5260, -70.5080, -43.7880

# Conversions

## Conversions Part 2

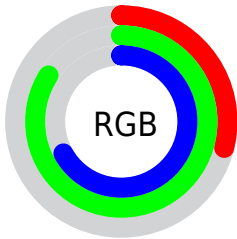
Format	Color
<a href="#">RYB</a>	<a href="#">73, 157, 215</a>
Decimal	<a href="#">4839339</a>
CIELab	<a href="#">77.85, -48.21, 10.73</a>
CIELCh	<a href="#">78, 49.387, 167.454</a>
Yxy	<a href="#">52.9576, 0.2561, 0.3943</a>
Android (android.graphics.Color)	<a href="#">4283029419</a> ( <a href="#">0xFF49D7AB</a> )
YUV	<a href="#">167.5260, 1.7127, -82.8993</a>
Hunter-Lab	<a href="#">72.7720, -42.9753, 12.6992</a>

# Details

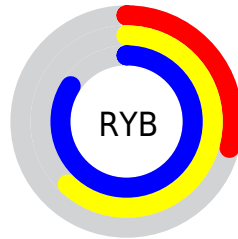
The Hex color **49D7AB** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **D74975**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **89FFE2**, and **009F77** is the 20% darker color. If you saturate the color by 10%, you get **34D7A4**, and if you desaturate by 10%, it is **5ED7B2**.

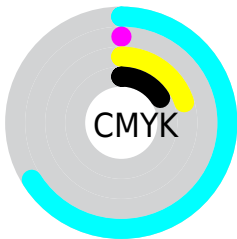
# Distribution



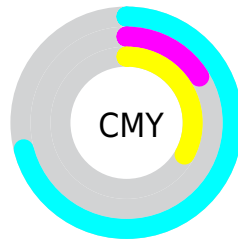
- Red (29%)
- Green (84%)
- Blue (67%)



- Red (29%)
- Yellow (62%)
- Blue (84%)



- Cyan (66%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)



- Cyan (71%)
- Magenta (16%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49D7AB 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 49D7AB by changing the saturation by 10% instead.




 49D7AB

 49D7AB

FFFFFF

 1FBB90

 89FFE2

 009F77

 A7FFFF

 00845E

 C5FFFF

 006A46

 E3FFFF

 005130

 00391B

 002201

 000000

 49D7AB

 49D7AB

 34D7A4

 5ED7B2

 1ED79E

 74D7B8

 08D797

 8AD7BF

 00D794

 9FD7C6

 B5D7CC

 CAD7D3

 E0D7DA

 F5D7E0

 FFD7E7

# Harmonies

## Analogous

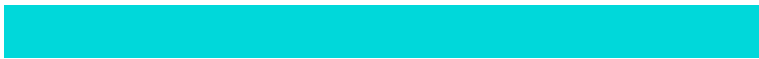
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



8ED181



49D7AB



00D8DA

# Triad

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



49D7AB



A7BCFF



FFA77F

# Complementary

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



49D7AB



D74975

# 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.



FF9CA7



49D7AB



E6AAFF

# Square

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



49D7AB



46CBFF



FF9DD6



EDB766

# Rectangle

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



49D7AB



00D6F7



FF9DD6



FFA28B

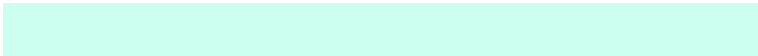


# Sweetspot

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



49D7AB



CCFFE5



76D749



618076



000000



808080



# Same Dimension

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



49D7AB



36FFC1



49BDD7



606B68



00AB76



002B1E



# Inverse Universe

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



D74975



FF3674



D76349



6B6064



AB0035

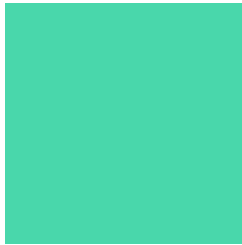


2B000D



# Previews

## White Background



This preview shows how the Hex color 49D7AB 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 49D7AB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

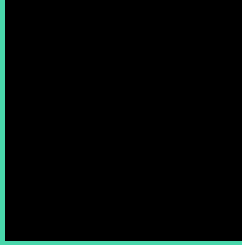
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

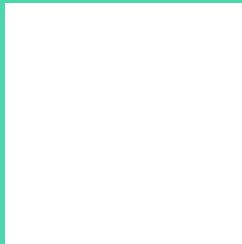
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 49D7AB Background



This preview shows how black text looks on a background with the Hex color 49D7AB.

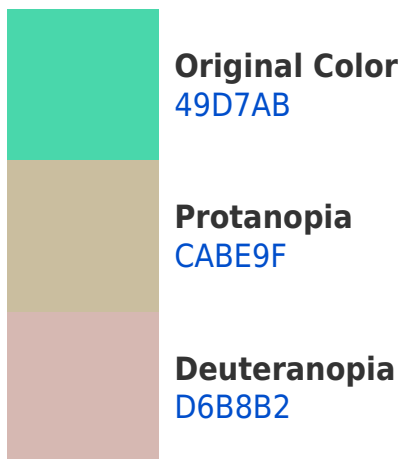


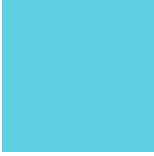
This preview shows how white text looks on a background with the Hex color 49D7AB.

# 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





# Trichromacy



**Original Color**  
49D7AB



**Protanomaly**  
9BC7A3



**Deuteranomaly**  
A3C3AF

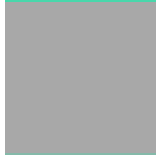


**Tritanomaly**  
57D3CD

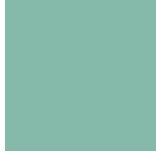
# Monochromacy



**Original Color**  
49D7AB



**Achromatopsia**  
A8A8A8



**Achromatomaly**  
85B9A9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49D7AB 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 #49D7AB looks like.

```
.text, #text, p{  
    color:#49D7AB  
}
```

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 #49D7AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49D7AB
}
```

## Border

The CSS property to change the border of an element to Hex 49D7AB 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
#49D7AB }
```

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

```
.border{ border-color:#49D7AB }
```

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

Here you see how a box with a 4 pixel #49D7AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49D7AB; -webkit-box-shadow:4px 4px  
4px 4px #49D7AB; box-shadow:4px 4px 4px  
4px #49D7AB }
```

# Background

The CSS property to change the background color of an element to Hex 49D7AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49D7AB }
```

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

```
.background{ background-color:#49D7AB }
```

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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