

# Converting Colors

Hex(37DAA9)

Have a look what the booklet for  
Hex(37DAA9) contains.

<b>Hex(37DAA9)</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(37DAA9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37DAA9
RGB	55, 218, 169
RGB Percent	22%, 85%, 66%
CMY	0.7843, 0.1451, 0.3373
CMYK	0.75, 0.00, 0.22, 0.15
HSL	162°, 69%, 54%
HSV	162°, 75%, 85%
XYZ	33.8084, 53.8196, 46.1425
YIQ	163.6770, -81.4190, -49.7950

# Conversions

## Conversions Part 2

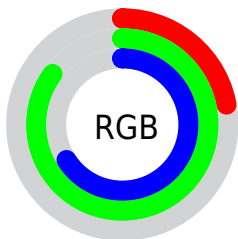
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 151, 218
Decimal	3660457
CIELab	78.36, -52.44, 12.46
CIELCh	78, 53.900, 166.636
Yxy	53.8196, 0.2527, 0.4023
Android (android.graphics.Color)	4281850537 (0xFF37DAA9)
YUV	163.6770, 2.6242, -95.3097
Hunter-Lab	73.3618, -46.1225, 14.0616

# Details

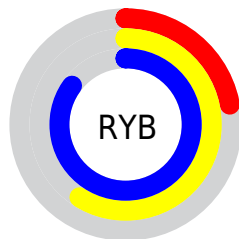
The Hex color **37DAA9** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **DA3768**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **7DFFE0**, and **00A275** is the 20% darker color. If you saturate the color by 10%, you get **21DAA2**, and if you desaturate by 10%, it is **4DDAB0**.

# Distribution



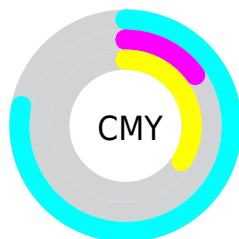
- Red (22%)
- Green (85%)
- Blue (66%)



- Red (22%)
- Yellow (59%)
- Blue (85%)



- Cyan (75%)
- Magenta (0%)
- Yellow (22%)
- Black (15%)



- Cyan (78%)
- Magenta (15%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37DAA9 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 37DAA9 by changing the saturation by 10% instead.



 37DAA9

 37DAA9

FFFFFF

 00BE8F

 7DFFE0

 00A275

 9CFFFD

 00875C

 BBFFFF

 006D45

 DAFFFF

 00532E

 F9FFFF

 003A19

 002400

 000000

 37DAA9

 37DAA9

 21DAA2

 4DDAB0

 0BDA9C

 63DAB6

 00DA98

 78DABD

 8EDAC3

 A4DACA

 BADAD0

 D0DAD7

 E5DADD

 FBDAE4

# Harmonies

## Analogous

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



8CD47B



37DAA9



00DBDD

# Triad

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



37DAA9



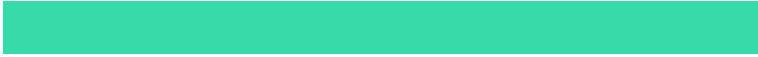
A1BDFE



FFA57B

# Complementary

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



37DAA9



DA3768

# 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.



FF99A8



37DAA9



E9AAFF

# Square

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



37DAA9



14CEFF



FF9BDA



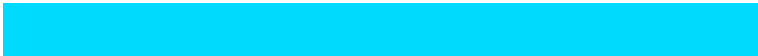
F3B75F

# Rectangle

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



37DAA9



00DAFC



FF9BDA



FFA089

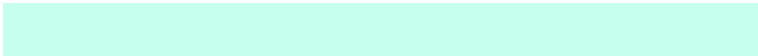


# Sweetspot

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



37DAA9



C7FFEE



6BDA37



5E8076



000000



808080



# Same Dimension

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



37DAA9



19FFBA



37BCDA



636E6A



00AD79



002E20



# Inverse Universe

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



DA3768



FF195E



DA5537



6E6366



AD0034

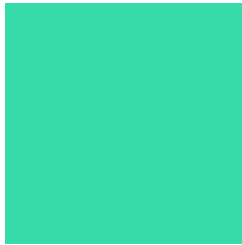


2E000E



# Previews

## White Background



This preview shows how the Hex color 37DAA9 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 37DAA9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

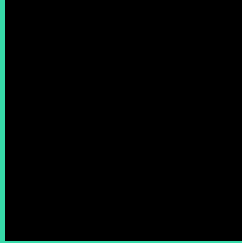
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

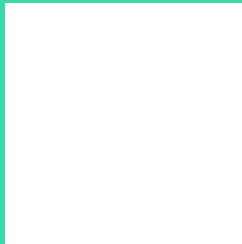
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 37DAA9 Background



This preview shows how black text looks on a background with the Hex color 37DAA9.

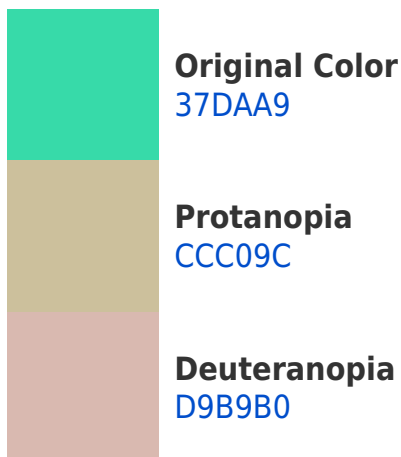


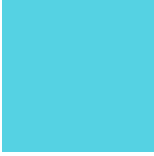
This preview shows how white text looks on a background with the Hex color 37DAA9.

# 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**  
55D2E3

# Trichromacy



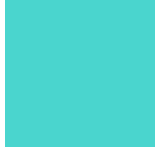
**Original Color**  
37DAA9



**Protanomaly**  
96C9A1



**Deuteranomaly**  
9EC5AD

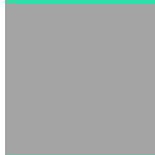


**Tritanomaly**  
4AD5CE

# Monochromacy



**Original Color**  
37DAA9



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
7CB8A6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37DAA9 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 #37DAA9 looks like.

```
.text, #text, p{  
    color:#37DAA9  
}
```

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 #37DAA9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37DAA9
}
```

## Border

The CSS property to change the border of an element to Hex 37DAA9 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
#37DAA9 }
```

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

```
.border{ border-color:#37DAA9 }
```

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

Here you see how a box with a 4 pixel #37DAA9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37DAA9; -webkit-box-shadow:4px 4px  
4px 4px #37DAA9; box-shadow:4px 4px 4px  
4px #37DAA9 }
```

# Background

The CSS property to change the background color of an element to Hex 37DAA9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37DAA9 }
```

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

```
.background{ background-color:#37DAA9 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor