

# Converting Colors

Hex(37D7BB)

Have a look what the booklet for  
Hex(37D7BB) contains.

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**Color**

**Hex(37D7BB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37D7BB
RGB	55, 215, 187
RGB Percent	22%, 84%, 73%
CMY	0.7843, 0.1569, 0.2667
CMYK	0.74, 0.00, 0.13, 0.16
HSL	170°, 67%, 53%
HSV	170°, 74%, 84%
XYZ	34.8456, 53.0010, 55.4074
YIQ	163.9680, -86.3720, -42.6280

# Conversions

## Conversions Part 2

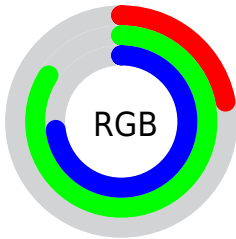
Format	Color
R <sub>YB</sub>	55, 143, 215
Decimal	3659707
CIE Lab	77.88, -46.78, 2.18
CIE LCh	78, 46.832, 177.331
Yxy	53.0010, 0.2432, 0.3700
Android (android.graphics.Color)	4281849787 (0xFF37D7BB)
YUV	163.9680, 11.3548, -95.5649
Hunter-Lab	72.8018, -41.9663, 5.8373

# Details

The Hex color **37D7BB** 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 **D73753**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **7DFFF3**, and **009F86** is the 20% darker color. If you saturate the color by 10%, you get **21D7B7**, and if you desaturate by 10%, it is **4DD7BF**.

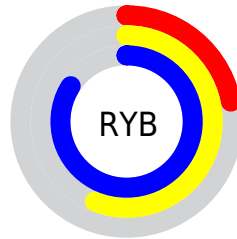
# Distribution



Red (22%)

Green (84%)

Blue (73%)



Red (22%)

Yellow (56%)

Blue (84%)

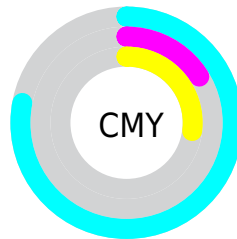


Cyan (74%)

Magenta (0%)

Yellow (13%)

Black (16%)



Cyan (78%)

Magenta (16%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37D7BB 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 37D7BB by changing the saturation by 10% instead.



 37D7BB

 37D7BB

FFFFFF

 00BBA0

 7DFFF3

 009F86

 9DFFFF

 00846D

 BCFFFF

 006A54

 DAFFFF

 00513D

 F9FFFF

 003928

 002313

 000000

 37D7BB

 37D7BB

■ 21D7B7

■ 4DD7BF

■ 0CD7B3

■ 62D7C3

■ 00D7B1

■ 77D7C6

■ 8DD7CA

■ A3D7CE

■ B8D7D2

■ CED7D5

■ E3D7D9

■ F9D7DD

# Harmonies

## Analogous

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



7FD390



37D7BB



00D7E7

# Triad

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



37D7BB



BFB7FF



FFAD79

# Complementary

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



37D7BB



D73753

# 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.



FFA19B



37D7BB



F3A7F0

# Square

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



37D7BB



74C6FF



FF9EC6



DFBD68

# Rectangle

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



37D7BB



00D4FF



FF9EC6



FFA882



# Sweetspot

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



37D7BB



C7FFF5



54D737



5E807A



000000



808080



# Same Dimension

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



37D7BB



1CFFD7



37A4D7



606B69



00AB8D



002B24



# Inverse Universe

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



D73753



FF1C44



D76A37



6B6062



AB001E

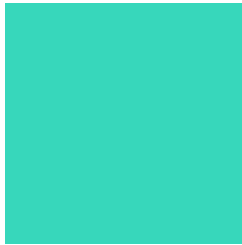


2B0008



# Previews

## White Background



This preview shows how the Hex color 37D7BB looks on a white background.

## Color Contrast Check

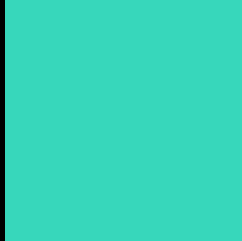
Large Text (above 18pt) WCAG AA × Fail

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 37D7BB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

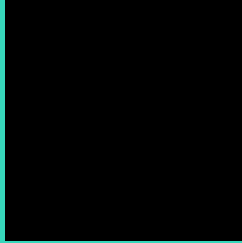
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

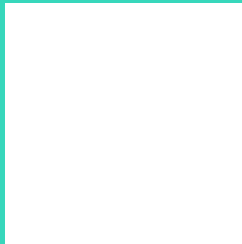
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 37D7BB Background



This preview shows how black text looks on a background with the Hex color 37D7BB.



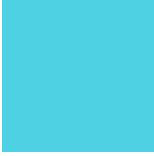
This preview shows how white text looks on a background with the Hex color 37D7BB.

# 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](#).

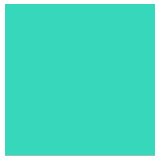
## Dichromacy





**Tritanopia**  
4ED1E2

# Trichromacy



**Original Color**  
37D7BB



**Protanomaly**  
92C7B3



**Deuteranomaly**  
98C4BF

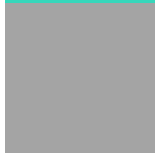


**Tritanomaly**  
46D3D4

# Monochromacy



**Original Color**  
37D7BB



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
7CB7AC

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37D7BB 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 #37D7BB looks like.

```
.text, #text, p{  
    color:#37D7BB  
}
```

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 #37D7BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37D7BB
}
```

## Border

The CSS property to change the border of an element to Hex 37D7BB 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
#37D7BB }
```

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

```
.border{ border-color:#37D7BB }
```

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

Here you see how a box with a 4 pixel #37D7BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37D7BB; -webkit-box-shadow:4px 4px  
4px 4px #37D7BB; box-shadow:4px 4px 4px  
4px #37D7BB }
```

# Background

The CSS property to change the background color of an element to Hex 37D7BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37D7BB }
```

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

```
.background{ background-color:#37D7BB }
```

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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