

# Converting Colors

Hex(20D9BB)

Have a look what the booklet for  
Hex(20D9BB) contains.

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# Color

**Hex(20D9BB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20D9BB
RGB	32, 217, 187
RGB Percent	13%, 85%, 73%
CMY	0.8745, 0.1490, 0.2667
CMYK	0.85, 0.00, 0.14, 0.15
HSL	170°, 74%, 49%
HSV	170°, 85%, 85%
XYZ	34.3782, 53.5206, 55.5323
YIQ	158.2650, -100.6300, -48.5500

# Conversions

## Conversions Part 2

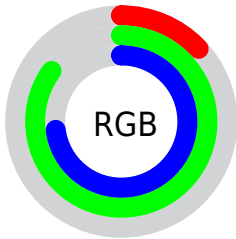
Format	Color
<a href="#">RYB</a>	<a href="#">32, 133, 217</a>
Decimal	<a href="#">2152891</a>
CIELab	<a href="#">78.18, -49.71, 2.59</a>
CIELCh	<a href="#">78, 49.774, 177.019</a>
Yxy	<a href="#">53.5206, 0.2397, 0.3731</a>
Android (android.graphics.Color)	<a href="#">4280342971</a> ( <a href="#">0xFF20D9BB</a> )
YUV	<a href="#">158.2650, 14.1664, -110.7344</a>
Hunter-Lab	<a href="#">73.1578, -44.1458, 6.2049</a>

# Details

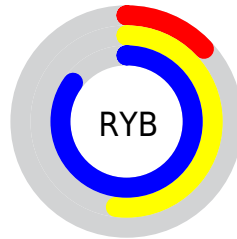
The Hex color **20D9BB** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **D9203E**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **73FFF3**, and **00A186** is the 20% darker color. If you saturate the color by 10%, you get **0AD9B7**, and if you desaturate by 10%, it is **36D9BF**.

# Distribution



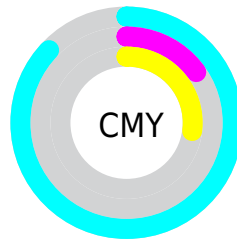
- Red (13%)
- Green (85%)
- Blue (73%)



- Red (13%)
- Yellow (52%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)



- Cyan (87%)
- Magenta (15%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 20D9BB 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 20D9BB by changing the saturation by 10% instead.



 20D9BB

 20D9BB

FFFFFF

 00BDA0

 73FFF3

 00A186

 93FFFF

 00866D

 B3FFFF

 006C54

 D2FFFF

 00523D

 F1FFFF

 003A28

 002413

 000000

 20D9BB

 20D9BB

0AD9B7

36D9BF

00D9B6

4BD9C2

61D9C6

77D9C9

8DD9CD

A2D9D0

B8D9D4

CED9D7

E3D9DB

# Harmonies

## Analogous

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



7BD58D



20D9BB



00D9EA

# Triad

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



20D9BB



BEB7FF



FFAD75

# Complementary

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



20D9BB



D9203E

# 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.



FF9F9A



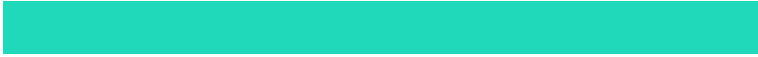
20D9BB



F7A6F4

# Square

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



20D9BB



6BC7FF



FF9CC8



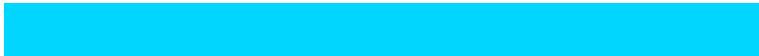
E2BD63

# Rectangle

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



20D9BB



00D6FF



FF9CC8



FFA780

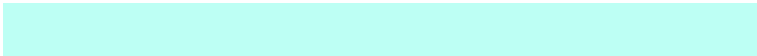


# Sweetspot

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



20D9BB



BDFFF4



3FD920



588079



000000



808080



# Same Dimension

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



20D9BB



00FFD6



209BD9



636E6C



00AD91



002E26



# Inverse Universe

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



D9203E



FF0029



D95E20



6E6364



AD001C

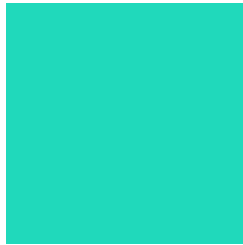


2E0007



# Previews

## White Background



This preview shows how the Hex color 20D9BB looks on a white background.

## Color Contrast Check

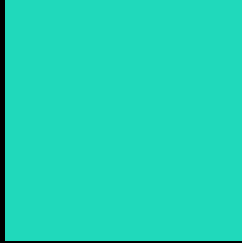
Large Text (above 18pt) WCAG AA × Fail

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 20D9BB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

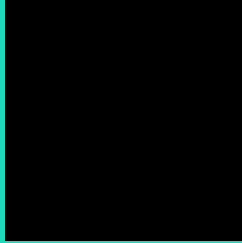
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

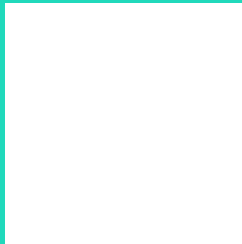
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 20D9BB Background



This preview shows how black text looks on a background with the Hex color 20D9BB.



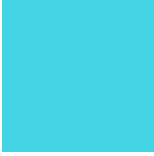
This preview shows how white text looks on a background with the Hex color 20D9BB.

# 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



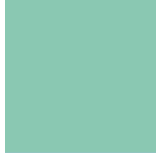


**Tritanopia**  
42D3E4

# Trichromacy



**Original Color**  
20D9BB



**Protanomaly**  
8AC8B2

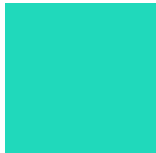


**Deuteranomaly**  
91C5BF

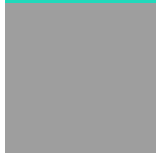


**Tritanomaly**  
36D5D5

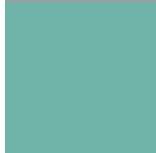
# Monochromacy



**Original Color**  
20D9BB



**Achromatopsia**  
9E9E9E



**Achromatomaly**  
70B3A9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 20D9BB 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 #20D9BB looks like.

```
.text, #text, p{  
    color:#20D9BB  
}
```

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 #20D9BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20D9BB
}
```

## Border

The CSS property to change the border of an element to Hex 20D9BB 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
#20D9BB }
```

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

```
.border{ border-color:#20D9BB }
```

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

Here you see how a box with a 4 pixel #20D9BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20D9BB; -webkit-box-shadow:4px 4px  
4px 4px #20D9BB; box-shadow:4px 4px 4px  
4px #20D9BB }
```

# Background

The CSS property to change the background color of an element to Hex 20D9BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20D9BB }
```

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

```
.background{ background-color:#20D9BB }
```

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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