

Converting Colors

Hex(2BD8B6)

Have a look what the booklet for
Hex(2BD8B6) contains.

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Color

Hex(2BD8B6)

Conversions

Conversions Part 1

Format	Color
Hex	2BD8B6
RGB	43, 216, 182
RGB Percent	17%, 85%, 71%
CMY	0.8314, 0.1529, 0.2863
CMYK	0.80, 0.00, 0.16, 0.15
HSL	168°, 69%, 51%
HSV	168°, 80%, 85%
XYZ	33.9956, 53.0027, 52.6948
YIQ	160.3970, -92.1940, -47.2500

Conversions

Conversions Part 2

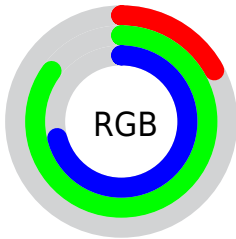
Format	Color
RYB	43, 139, 216
Decimal	2873526
CIELab	77.88, -49.72, 4.83
CIELCh	78, 49.954, 174.449
Yxy	53.0027, 0.2434, 0.3794
Android (android.graphics.Color)	4281063606 (0xFF2BD8B6)
YUV	160.3970, 10.6503, -102.9572
Hunter-Lab	72.8030, -44.0539, 8.0480

Details

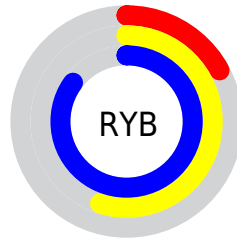
The Hex color **2BD8B6** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **D82B4D**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **77FFEE**, and **00A081** is the 20% darker color. If you saturate the color by 10%, you get **15D8B2**, and if you desaturate by 10%, it is **41D8BA**.

Distribution



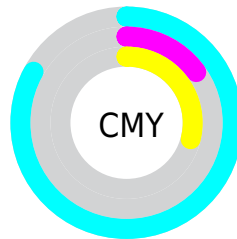
- Red (17%)
- Green (85%)
- Blue (71%)



- Red (17%)
- Yellow (55%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)



- Cyan (83%)
- Magenta (15%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2BD8B6 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 2BD8B6 by changing the saturation by 10% instead.

 2BD8B6

 2BD8B6

FFFFFF

 00BC9B

 77FFEE

 00A081

 97FFFF

 008568

 B6FFFF

 006B50

 D5FFFF

 005239

 F4FFFF

 003924

 00230F

 000000

 2BD8B6

 2BD8B6


 15D8B2

 41D8BA

 00D8AE

 56D8BE

 6CD8C3

 81D8C7

 97D8CB

 ADD8CF

 C2D8D4

 D8D8D8

 EDD8DC

Harmonies

Analogous

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



80D389



2BD8B6



00D8E5

Triad

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



2BD8B6



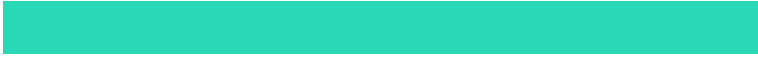
B7B8FF



FFAA76

Complementary

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



2BD8B6



D82B4D

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.



FF9D9D



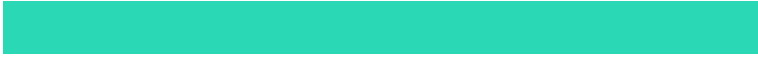
2BD8B6



F2A6F7

Square

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



2BD8B6



60C8FF



FF9BCB



E5BB63

Rectangle

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



2BD8B6



00D5FF



FF9BCB



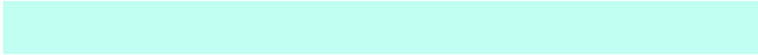
FFA582

Sweetspot

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



2BD8B6



C2FFF3



4ED82B



5B8078



000000



808080

Same Dimension

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



2BD8B6



0AFFCF



2BA4D8



606B69



00AB89



002B23

Inverse Universe

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



D82B4D



FF0A3A



D85F2B



6B6062



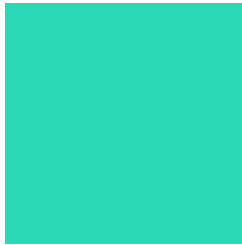
AB0022



2B0009

Previews

White Background



This preview shows how the Hex color 2BD8B6 looks on a white background.

Color Contrast Check

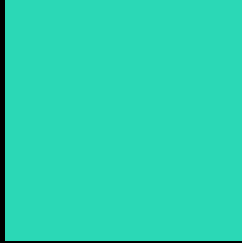
Large Text (above 18pt) WCAG AA × Fail

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 2BD8B6 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

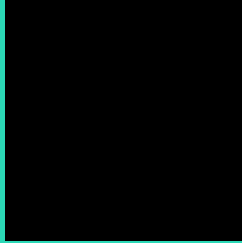
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

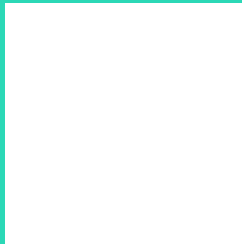
Any Text WCAG AAA ✓ Pass

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

Hex 2BD8B6 Background



This preview shows how black text looks on a background with the Hex color 2BD8B6.



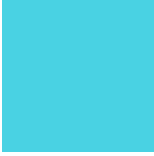
This preview shows how white text looks on a background with the Hex color 2BD8B6.

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
49D2E3

Trichromacy



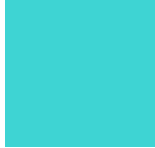
Original Color
2BD8B6



Protanomaly
8EC7AD



Deuteranomaly
95C4BA



Tritanomaly
3ED4D3

Monochromacy



Original Color
2BD8B6



Achromatopsia
A0A0A0



Achromatomaly
75B4A8

CSS Examples

Text

The CSS property to change the color of the text to Hex 2BD8B6 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 #2BD8B6 looks like.

```
.text, #text, p{  
    color:#2BD8B6  
}
```

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 #2BD8B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BD8B6
}
```

Border

The CSS property to change the border of an element to Hex 2BD8B6 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
#2BD8B6 }
```

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

```
.border{ border-color:#2BD8B6 }
```

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

Here you see how a box with a 4 pixel #2BD8B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BD8B6; -webkit-box-shadow:4px 4px  
4px 4px #2BD8B6; box-shadow:4px 4px 4px  
4px #2BD8B6 }
```

Background

The CSS property to change the background color of an element to Hex 2BD8B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BD8B6 }
```

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

```
.background{ background-color:#2BD8B6 }
```

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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