

# Converting Colors

Hex(2BD59C)

Have a look what the booklet for  
Hex(2BD59C) contains.

<b>Hex(2BD59C)</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(2BD59C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BD59C
RGB	43, 213, 156
RGB Percent	17%, 84%, 61%
CMY	0.8314, 0.1647, 0.3882
CMYK	0.80, 0.00, 0.27, 0.16
HSL	160°, 67%, 50%
HSV	160°, 80%, 84%
XYZ	30.7913, 50.5024, 39.5776
YIQ	155.6720, -83.0230, -53.7670

# Conversions

## Conversions Part 2

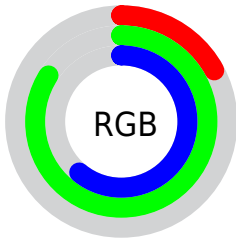
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 145, 213
Decimal	2872732
CIELab	76.38, -54.78, 16.54
CIElCh	76, 57.217, 163.201
Yxy	50.5024, 0.2547, 0.4178
Android (android.graphics.Color)	4281062812 (0xFF2BD59C)
YUV	155.6720, 0.1617, -98.8133
Hunter-Lab	71.0650, -47.0228, 16.7257

# Details

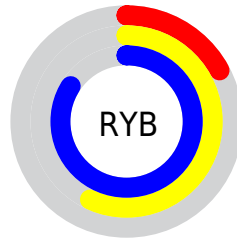
The Hex color **2BD59C** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **D52B64**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **75FFD3**, and **009D69** is the 20% darker color. If you saturate the color by 10%, you get **16D595**, and if you desaturate by 10%, it is **40D5A3**.

# Distribution



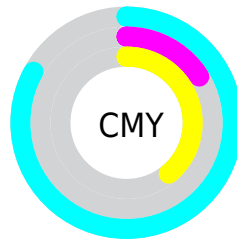
- Red (17%)
- Green (84%)
- Blue (61%)



- Red (17%)
- Yellow (57%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)



- Cyan (83%)
- Magenta (16%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BD59C 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 2BD59C by changing the saturation by 10% instead.



 2BD59C

 2BD59C

FFFFFF

 00B982

 75FFD3

 009D69

 95FFEF

 008250

 B3FFFF

 006839

 D2FFFF

 004E23

 F1FFFF

 00360E

 001E00

 000000

 2BD59C

 2BD59C

 16D595

 40D5A3

 00D58E

 56D5AA

 6BD5B1

 80D5B9

 95D5C0

 ABD5C7

 C0D5CE

 D5D5D5

 EBD5DC

# Harmonies

## Analogous

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



8ACE6C



2BD59C



00D7D3

# Triad

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



2BD59C



8CBAFF



FF9B76

# Complementary

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



2BD59C



D52B64

# 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.



FF8FA7



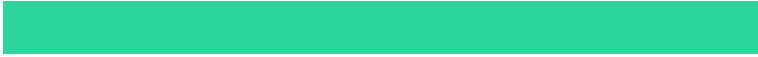
2BD59C



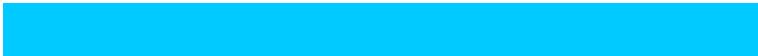
DEA5FF

# Square

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



2BD59C



00CAFF



FF93DC



F4AF55

# Rectangle

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



2BD59C



00D6F5



FF93DC



FF9685

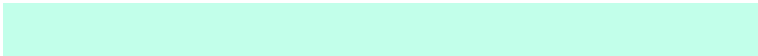


# Sweetspot

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



2BD59C



C2FFEA



66D52B



5B8073



000000



808080



# Same Dimension

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



2BD59C



0AFFAD



2BBBD5



606B68



00AB72



002B1D



# Inverse Universe

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



D52B64



FF0A5C



D5452B



6B6064



AB0039

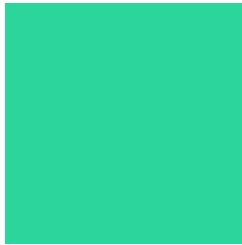


2B000F



# Previews

## White Background



This preview shows how the Hex color 2BD59C looks on a white background.

## Color Contrast Check

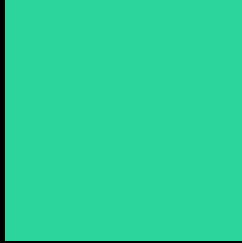
Large Text (above 18pt) WCAG AA × Fail

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 2BD59C looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

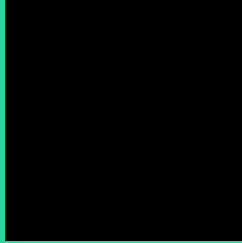
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

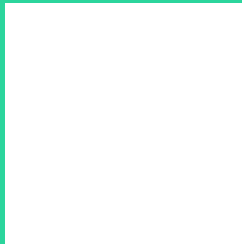
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2BD59C Background



This preview shows how black text looks on a background with the Hex color 2BD59C.

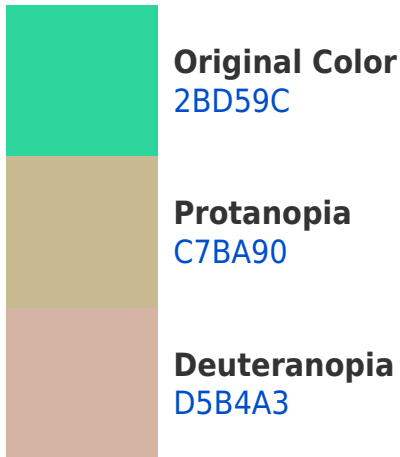


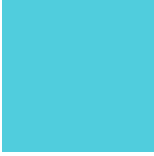
This preview shows how white text looks on a background with the Hex color 2BD59C.

# 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**  
50CDDD

# Trichromacy



**Original Color**  
2BD59C



**Protanomaly**  
8EC494



**Deuteranomaly**  
97C0A0



**Tritanomaly**  
43D0C5

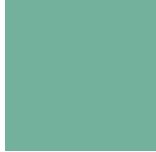
# Monochromacy



**Original Color**  
2BD59C



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
73B19C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BD59C 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 #2BD59C looks like.

```
.text, #text, p{  
    color:#2BD59C  
}
```

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 #2BD59C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BD59C
}
```

## Border

The CSS property to change the border of an element to Hex 2BD59C 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
#2BD59C }
```

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

```
.border{ border-color:#2BD59C }
```

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

Here you see how a box with a 4 pixel #2BD59C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BD59C; -webkit-box-shadow:4px 4px  
4px 4px #2BD59C; box-shadow:4px 4px 4px  
4px #2BD59C }
```

# Background

The CSS property to change the background color of an element to Hex 2BD59C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BD59C }
```

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

```
.background{ background-color:#2BD59C }
```

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