

Converting Colors

Hex(5BD7B3)

Have a look what the booklet for
Hex(5BD7B3) contains.

Hex(5BD7B3)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(5BD7B3)

Conversions

Conversions Part 1

Format	Color
Hex	5BD7B3
RGB	91, 215, 179
RGB Percent	36%, 84%, 70%
CMY	0.6431, 0.1569, 0.2980
CMYK	0.58, 0.00, 0.17, 0.16
HSL	163°, 61%, 60%
HSV	163°, 58%, 84%
XYZ	36.7515, 54.0797, 51.1492
YIQ	173.8200, -62.3480, -37.4840

Conversions

Conversions Part 2

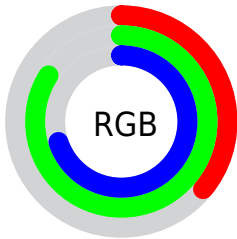
Format	Color
RYB	91, 164, 215
Decimal	6018995
CIELab	78.51, -43.10, 7.47
CIELCh	79, 43.742, 170.165
Yxy	54.0797, 0.2588, 0.3809
Android (android.graphics.Color)	4284209075 (0xFF5BD7B3)
YUV	173.8200, 2.5537, -72.6331
Hunter-Lab	73.5389, -39.4866, 10.2387

Details

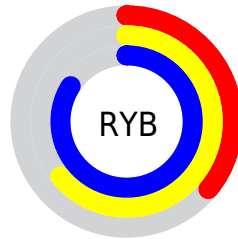
The Hex color **5BD7B3** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **D75B7F**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **97FFEB**, and **079F7E** is the 20% darker color. If you saturate the color by 10%, you get **46D7AD**, and if you desaturate by 10%, it is **71D7B9**.

Distribution



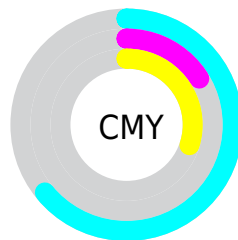
- Red (36%)
- Green (84%)
- Blue (70%)



- Red (36%)
- Yellow (64%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (17%)
- Black (16%)



- Cyan (64%)
- Magenta (16%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5BD7B3 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 5BD7B3 by changing the saturation by 10% instead.

 5BD7B3

 5BD7B3


FFFFFF

 3ABB98

 97FFEB

 079F7E

 B4FFFF

 008565

 D2FFFF

 006B4D

 F0FFFF

 005237

 003921

 00240B

 000000

 5BD7B3

 5BD7B3

 46D7AD

 71D7B9

 30D7A7

 86D7BF

 1BD7A0

 9CD7C6

 05D79A

 B1D7CC

 00D799

 C7D7D2

 DCD7D8

 F2D7DF

 FFD7E5

 FFD7EB

Harmonies

Analogous

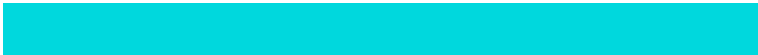
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92D28D



5BD7B3



00D8DD

Triad

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



5BD7B3



B3BDFE



FFAD85

Complementary

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



5BD7B3



D75B7F

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.



FFA3A8



5BD7B3



E8AEF7

Square

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



5BD7B3



6CCAFF



FFA4D1



E9BB72

Rectangle

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



5BD7B3



00D5F5



FFA4D1



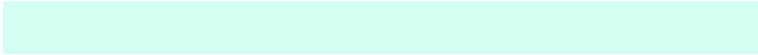
FFA990

Sweetspot

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



5BD7B3



D4FFF2



80D75B



668078



000000



808080

Same Dimension

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



5BD7B3



4FFFCB



5BBED7



606B68



00AB79



002B1F

Inverse Universe

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



D75B7F



FF4F82



D7745B



6B6063



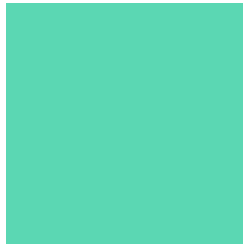
AB0032



2B000D

Previews

White Background



This preview shows how the Hex color 5BD7B3 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 5BD7B3 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

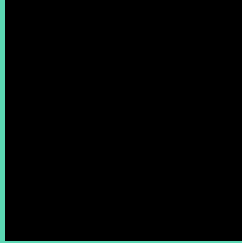
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

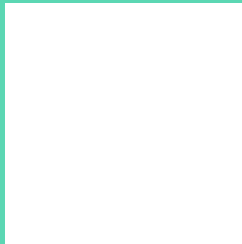
Any Text WCAG AAA ✓ Pass

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

Hex 5BD7B3 Background



This preview shows how black text looks on a background with the Hex color 5BD7B3.

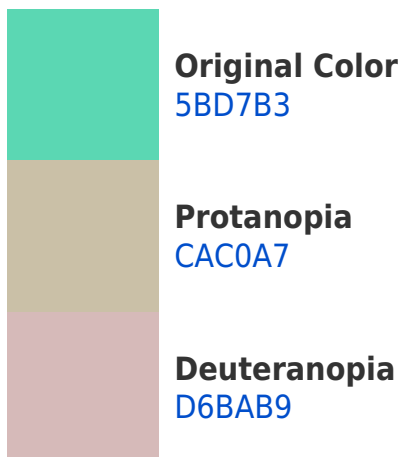


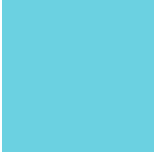
This preview shows how white text looks on a background with the Hex color 5BD7B3.

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
6BD1E1

Trichromacy



Original Color
5BD7B3



Protanomaly
A2C8AB



Deuteranomaly
A9C5B7

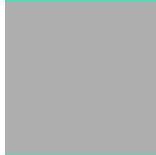


Tritanomaly
65D3D0

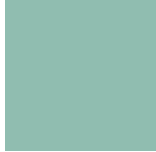
Monochromacy



Original Color
5BD7B3



Achromatopsia
AEAEAE



Achromatomaly
90BDB0

CSS Examples

Text

The CSS property to change the color of the text to Hex 5BD7B3 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 #5BD7B3 looks like.

```
.text, #text, p{  
    color:#5BD7B3  
}
```

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 #5BD7B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BD7B3
}
```

Border

The CSS property to change the border of an element to Hex 5BD7B3 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
#5BD7B3 }
```

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

```
.border{ border-color:#5BD7B3 }
```

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

Here you see how a box with a 4 pixel #5BD7B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BD7B3; -webkit-box-shadow:4px 4px  
4px 4px #5BD7B3; box-shadow:4px 4px 4px  
4px #5BD7B3 }
```

Background

The CSS property to change the background color of an element to Hex 5BD7B3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BD7B3 }
```

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

```
.background{ background-color:#5BD7B3 }
```

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