

# Converting Colors

Hex(55B7A0)

Have a look what the booklet for  
Hex(55B7A0) contains.

<b>Hex(55B7A0)</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(55B7A0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55B7A0
RGB	85, 183, 160
RGB Percent	33%, 72%, 63%
CMY	0.6667, 0.2824, 0.3725
CMYK	0.54, 0.00, 0.13, 0.28
HSL	166°, 40%, 53%
HSV	166°, 54%, 72%
XYZ	27.0250, 38.3363, 39.2330
YIQ	151.0760, -51.0250, -27.9290

# Conversions

## Conversions Part 2

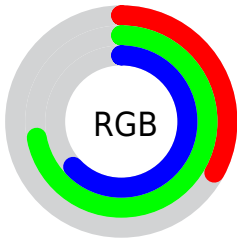
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 141, 183
Decimal	5617568
CIE Lab	68.27, -34.44, 2.97
CIE LCh	68, 34.566, 175.069
Yxy	38.3363, 0.2584, 0.3665
Android (android.graphics.Color)	4283807648 (0xFF55B7A0)
YUV	151.0760, 4.3995, -57.9487
Hunter-Lab	61.9163, -30.4427, 5.7726

# Details

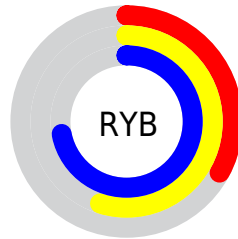
The Hex color **55B7A0** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **B7556C**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **8EEFD7**, and **10816D** is the 20% darker color. If you saturate the color by 10%, you get **43B79C**, and if you desaturate by 10%, it is **67B7A4**.

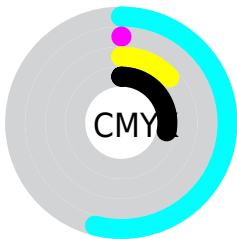
# Distribution



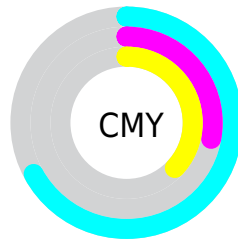
- Red (33%)
- Green (72%)
- Blue (63%)



- Red (33%)
- Yellow (55%)
- Blue (72%)



- Cyan (54%)
- Magenta (0%)
- Yellow (13%)
- Black (28%)



- Cyan (67%)
- Magenta (28%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55B7A0 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 55B7A0 by changing the saturation by 10% instead.



 55B7A0

 55B7A0

FFFFFF

 379C86

 8EEFD7

 10816D

 AAFFF3

 006854

 C7FFFF

 004F3D

 E5FFFF

 003728

 002313

 000000

 55B7A0

 55B7A0

 43B79C

 67B7A4

 30B797

 7AB7A9

 1EB793

 8CB7AD

 0CB78F

 9EB7B1

 00B78C

 B1B7B5

 C3B7BA

 D5B7BE

 E7B7C2

 FAB7C7

# Harmonies

## Analogous

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



7CB382



55B7A0



34B7C0

# Triad

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



55B7A0



A3A0DF



D89874

# Complementary

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



55B7A0



B7556C

# 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.



E4908E



55B7A0



C995CB

# Square

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



55B7A0



72ABE4



DF8FAD



C0A368

# Rectangle

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



55B7A0



36B5D2



DF8FAD



DD957C

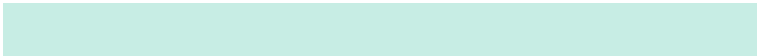


# Sweetspot

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



55B7A0



C7EDE4



6EB755



617873



F7F7F7



787878



# Same Dimension

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



55B7A0



55EDCA



559FB7



535C5A



009C77



001C15



# Inverse Universe

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



B7556C



ED5579



B76E55



5C5355



9C0025

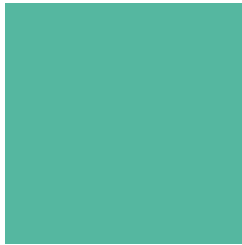


1C0007



# Previews

## White Background



This preview shows how the Hex color 55B7A0 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

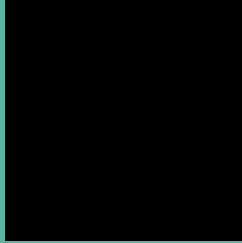
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 55B7A0 Background



This preview shows how black text looks on a background with the Hex color 55B7A0.

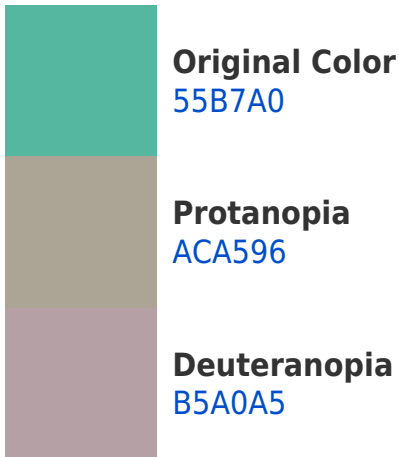


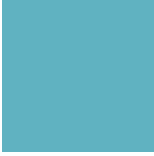
This preview shows how white text looks on a background with the Hex color 55B7A0.

# 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**  
60B2C1

# Trichromacy



**Original Color**  
55B7A0



**Protanomaly**  
8CAC9A



**Deuteranomaly**  
92A8A3



**Tritanomaly**  
5CB4B5

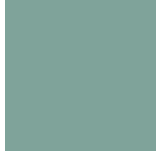
# Monochromacy



**Original Color**  
55B7A0



**Achromatopsia**  
979797



**Achromatomaly**  
7FA39A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55B7A0 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 #55B7A0 looks like.

```
.text, #text, p{  
    color:#55B7A0  
}
```

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 #55B7A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55B7A0
}
```

## Border

The CSS property to change the border of an element to Hex 55B7A0 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
#55B7A0 }
```

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

```
.border{ border-color:#55B7A0 }
```

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

Here you see how a box with a 4 pixel #55B7A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55B7A0; -webkit-box-shadow:4px 4px  
4px 4px #55B7A0; box-shadow:4px 4px 4px  
4px #55B7A0 }
```

# Background

The CSS property to change the background color of an element to Hex 55B7A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55B7A0 }
```

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

```
.background{ background-color:#55B7A0 }
```

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