

# Converting Colors

Hex(56B8B8)

Have a look what the booklet for  
Hex(56B8B8) contains.

|  |    |
|--|----|
| <b>Hex(56B8B8)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

**Color**

**Hex(56B8B8)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 56B8B8                       |
| RGB         | 86, 184, 184                 |
| RGB Percent | 34%, 72%, 72%                |
| CMY         | 0.6627, 0.2784, 0.2784       |
| CMYK        | 0.53, 0.00, 0.00, 0.28       |
| HSL         | 180°, 41%, 53%               |
| HSV         | 180°, 53%, 72%               |
| XYZ         | 29.6300, 39.7201, 51.4525    |
| YIQ         | 154.6980, -58.4080, -20.7760 |

# Conversions

## Conversions Part 2

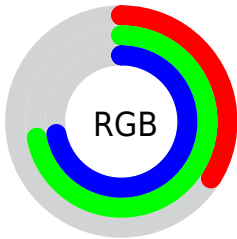
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">86, 135, 184</a>                |
| Decimal                             | <a href="#">5683384</a>                     |
| CIELab                              | <a href="#">69.27, -28.51, -8.76</a>        |
| CIELCh                              | <a href="#">69, 29.831, 197.084</a>         |
| Yxy                                 | <a href="#">39.7201, 0.2453, 0.3288</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4283873464<br/>(0xFF56B8B8)</a> |
| YUV                                 | <a href="#">154.6980, 14.4459, -60.2481</a> |
| Hunter-Lab                          | <a href="#">63.0239, -26.3720, -4.2874</a>  |

# Details

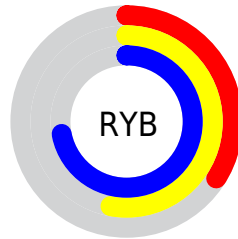
The Hex color **56B8B8** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **B85656**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **90F0F0**, and **0B8383** is the 20% darker color. If you saturate the color by 10%, you get **44B8B8**, and if you desaturate by 10%, it is **68B8B8**.

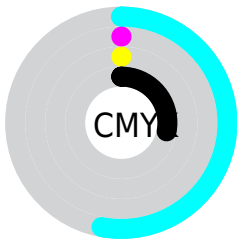
# Distribution



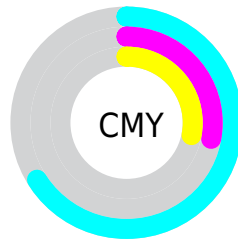
- Red (34%)
- Green (72%)
- Blue (72%)



- Red (34%)
- Yellow (53%)
- Blue (72%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (66%)
- Magenta (28%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 56B8B8 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 56B8B8 by changing the saturation by 10% instead.



 56B8B8

 56B8B8

FFFFFF

 379D9D

 90F0F0

 0B8383

 ADFFFF

 00696A

 CAFFFF

 005052

 E7FFFF

 00393B

 002425

 000111

 000000

 56B8B8

 56B8B8

 44B8B8

 68B8B8

 31B8B8

 7BB8B8

 1FB8B8

 8DB8B8

 0CB8B8

 A0B8B8

 00B8B8

 B2B8B8

 C4B8B8

 D7B8B8

 E9B8B8

 FCB8B8

# Harmonies

## Analogous

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



6EB79C



56B8B8



57B5D0

# Triad

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



56B8B8



C09DCE



C7A375

# Complementary

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



56B8B8



B85656

# 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.



D99B83



56B8B8



D796B6

# Square

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



56B8B8



9DA6DD



DF959A



ACAC75

# Rectangle

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



56B8B8



69B2DA



DF959A



CEA078



# Sweetspot

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



56B8B8



C9F0F0



56B856



617878



F7F7F7



787878



# Same Dimension

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



56B8B8



56F0F0



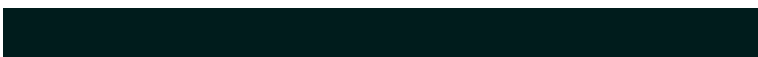
5687B8



535C5C



009C9C



001C1C



# Inverse Universe

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



B856B8



F056F0



B88756



5C535C



9C009C

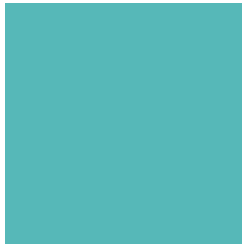


1C001C



# Previews

## White Background



This preview shows how the Hex color 56B8B8 looks on a white background.

## Color Contrast Check

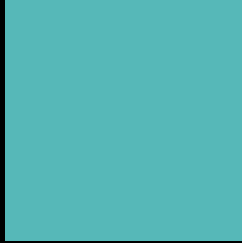
Large Text (above 18pt) WCAG AA × Fail

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 56B8B8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

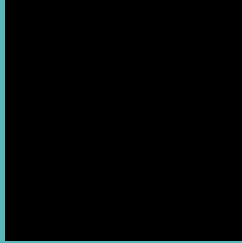
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

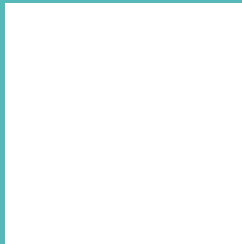
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 56B8B8 Background



This preview shows how black text looks on a background with the Hex color 56B8B8.

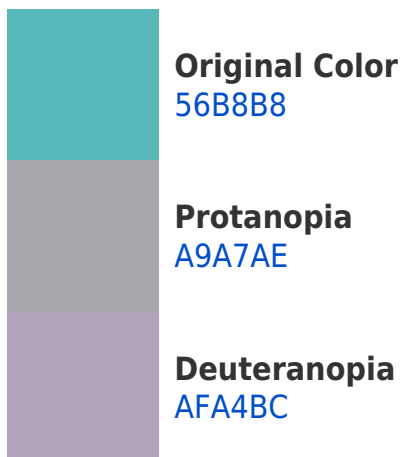


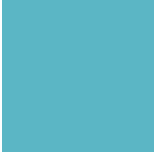
This preview shows how white text looks on a background with the Hex color 56B8B8.

# 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



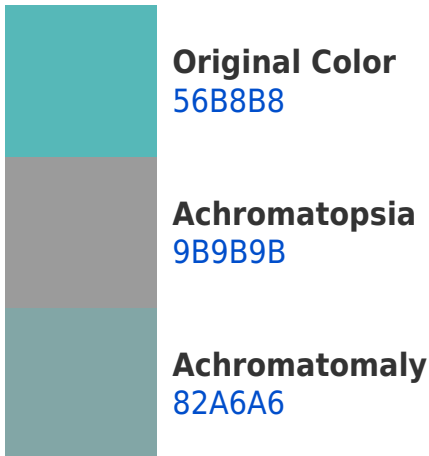


**Tritanopia**  
5BB6C5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 56B8B8 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 #56B8B8 looks like.

```
.text, #text, p{  
    color:#56B8B8  
}
```

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 #56B8B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #56B8B8
}
```

## Border

The CSS property to change the border of an element to Hex 56B8B8 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
#56B8B8 }
```

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

```
.border{ border-color:#56B8B8 }
```

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

Here you see how a box with a 4 pixel #56B8B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #56B8B8; -webkit-box-shadow:4px 4px  
4px 4px #56B8B8; box-shadow:4px 4px 4px  
4px #56B8B8 }
```

# Background

The CSS property to change the background color of an element to Hex 56B8B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#56B8B8 }
```

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

```
.background{ background-color:#56B8B8 }
```

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