

# Converting Colors

Hex(50AEC8)

Have a look what the booklet for  
Hex(50AEC8) contains.

<b>Hex(50AEC8)</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(50AEC8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50AEC8
RGB	80, 174, 200
RGB Percent	31%, 68%, 78%
CMY	0.6863, 0.3176, 0.2157
CMYK	0.60, 0.13, 0.00, 0.22
HSL	193°, 52%, 55%
HSV	193°, 60%, 78%
XYZ	28.8696, 36.1477, 60.0992
YIQ	148.8580, -64.3700, -11.8420

# Conversions

## Conversions Part 2

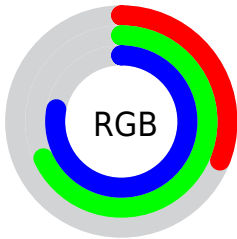
Format	Color
R <sub>YB</sub>	80, 133, 200
Decimal	5287624
CIE <sub>Lab</sub>	66.63, -20.07, -21.59
CIE <sub>LCh</sub>	67, 29.479, 227.083
Yxy	36.1477, 0.2307, 0.2889
Android (android.graphics.Color)	4283477704 (0xFF50AEC8)
YUV	148.8580, 25.2130, -60.3885
Hunter-Lab	60.1230, -19.5037, -17.1805

# Details

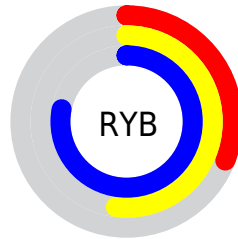
The Hex color **50AEC8** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **C86A50**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **8BE6FF**, and **007992** is the 20% darker color. If you saturate the color by 10%, you get **3CAAC8**, and if you desaturate by 10%, it is **64B2C8**.

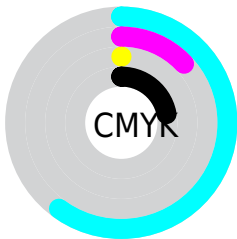
# Distribution



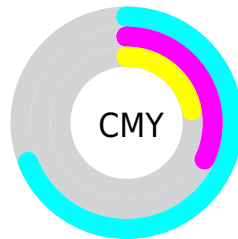
- Red (31%)
- Green (68%)
- Blue (78%)



- Red (31%)
- Yellow (52%)
- Blue (78%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (32%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50AEC8 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 50AEC8 by changing the saturation by 10% instead.



 50AEC8

 50AEC8

FFFFFF

 2E93AD

 8BE6FF

 007992

 A9FFFF

 006078

 C6FFFF

 00485F

 E4FFFF

 003248

 001E31

 00021C

 000000

 50AEC8

 50AEC8

3CAAC8

64B2C8

28A5C8

78B7C8

14A1C8

8CBBC8

009DC8

A0BFC8

B4C4C8

C8C8C8

DCCCC8

F0D1C8

FFD5C8

# Harmonies

## Analogous

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



50B1B1



50AEC8



6EA8D5

# Triad

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



50AEC8



CF8FAF



A5A56F

# Complementary

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



50AEC8



C86A50

# 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.



BF9C6F



50AEC8



D78F94

# Square

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



50AEC8



B896C6



D1947C



87AC7D

# Rectangle

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



50AEC8



89A2D6



D1947C



AEA26D

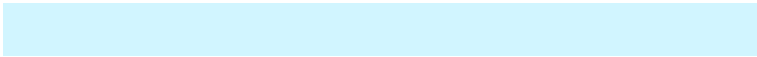


# Sweetspot

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



50AEC8



D1F5FF



50C86A



637980



000000



808080



# Same Dimension

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



50AEC8



47D7FF



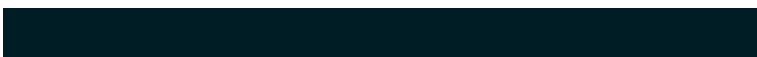
5072C8



5A6163



0080A3



001C24



# Inverse Universe

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



C850AE



FF47D7



C8A650



635A61



A30080

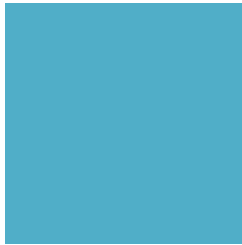


24001C



# Previews

## White Background



This preview shows how the Hex color 50AEC8 looks on a white background.

## Color Contrast Check

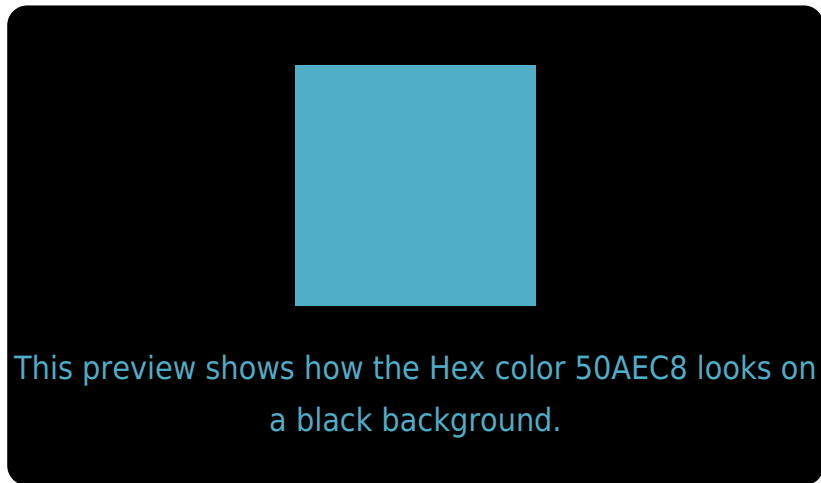
Large Text (above 18pt) WCAG AA × Fail

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

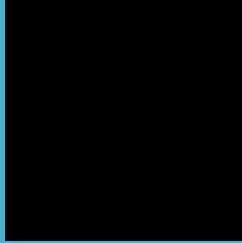
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 50AEC8 Background



This preview shows how black text looks on a background with the Hex color 50AEC8.



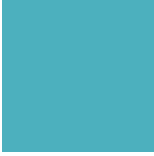
This preview shows how white text looks on a background with the Hex color 50AEC8.

# 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](#).

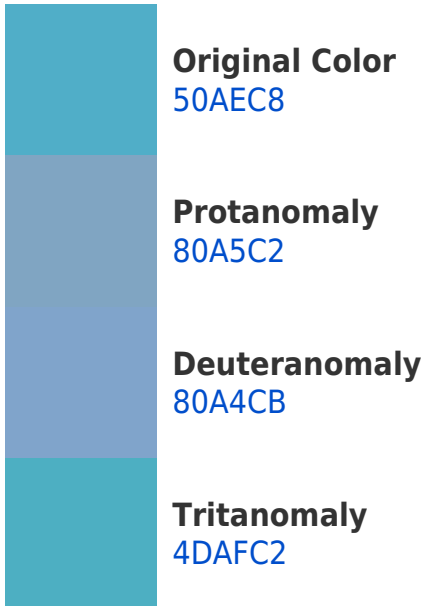
## Dichromacy





**Tritanopia**  
4CBOBE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50AEC8 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 #50AEC8 looks like.

```
.text, #text, p{  
    color:#50AEC8  
}
```

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 #50AEC8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50AEC8  
}
```

## Border

The CSS property to change the border of an element to Hex 50AEC8 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  
#50AEC8 }
```

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

```
.border{ border-color:#50AEC8 }
```

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

Here you see how a box with a 4 pixel #50AEC8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50AEC8; -webkit-box-shadow:4px 4px  
4px 4px #50AEC8; box-shadow:4px 4px 4px  
4px #50AEC8 }
```

# Background

The CSS property to change the background color of an element to Hex 50AEC8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50AEC8 }
```

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

```
.background{ background-color:#50AEC8 }
```

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