

# Converting Colors

Hex(5AE8D8)

Have a look what the booklet for  
Hex(5AE8D8) contains.

|  |    |
|--|----|
| <b>Hex(5AE8D8)</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(5AE8D8)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 5AE8D8                       |
| RGB         | 90, 232, 216                 |
| RGB Percent | 35%, 91%, 85%                |
| CMY         | 0.6471, 0.0902, 0.1529       |
| CMYK        | 0.61, 0.00, 0.07, 0.09       |
| HSL         | 173°, 76%, 63%               |
| HSV         | 173°, 61%, 91%               |
| XYZ         | 45.4677, 64.8448, 75.0856    |
| YIQ         | 187.7180, -79.4960, -35.0800 |

# Conversions

## Conversions Part 2

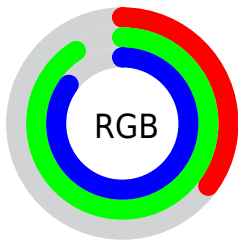
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">90, 165, 232</a>                |
| Decimal                             | <a href="#">5957848</a>                     |
| CIELab                              | <a href="#">84.40, -41.73, -3.59</a>        |
| CIELCh                              | <a href="#">84, 41.885, 184.913</a>         |
| Yxy                                 | <a href="#">64.8448, 0.2452, 0.3498</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4284147928<br/>(0xFF5AE8D8)</a> |
| YUV                                 | <a href="#">187.7180, 13.9430, -85.6987</a> |
| Hunter-Lab                          | <a href="#">80.5262, -40.1340, 1.0842</a>   |

# Details

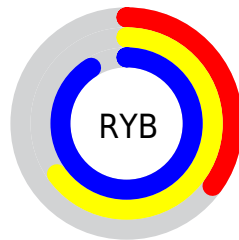
The Hex color **5AE8D8** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **E85A6A**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **99FFFF**, and **00B0A1** is the 20% darker color. If you saturate the color by 10%, you get **43E8D5**, and if you desaturate by 10%, it is **71E8DB**.

# Distribution



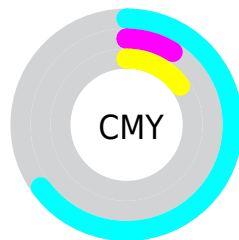
- Red (35%)
- Green (91%)
- Blue (85%)



- Red (35%)
- Yellow (65%)
- Blue (91%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



- Cyan (65%)
- Magenta (9%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AE8D8 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 5AE8D8 by changing the saturation by 10% instead.



 5AE8D8

 5AE8D8

FFFFFF

 35CBBC

 99FFFF

 00B0A1

 B8FFFF

 009487

 D7FFFF

 007A6E

 F5FFFF

 006056

 00483E

 003029

 001915

 000000

 5AE8D8

 5AE8D8

 43E8D5

 71E8DB

 2CE8D3

 88E8DD

 14E8D0

 A0E8E0

 00E8CE

 B7E8E2

 CEE8E5

 E5E8E8

 FCE8EA

 FFE8ED

 FFE8F0

# Harmonies

## Analogous

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



8DE5B0



5AE8D8



3AE6FF

# Triad

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



5AE8D8



E0C6FF



FFC58C

# Complementary

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



5AE8D8



E85A6A

# 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.



FFB9A7



5AE8D8



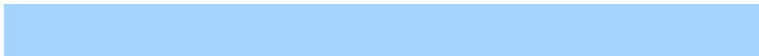
FFB9F5

# Square

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



5AE8D8



A5D4FF



FFB4CD



E7D283

# Rectangle

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



5AE8D8



50E2FF



FFB4CD



FFC093

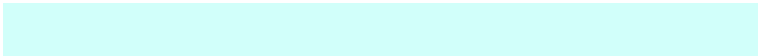


# Sweetspot

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



5AE8D8



D1FFFA



6BE85A



63807C



000000



808080



# Same Dimension

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



5AE8D8



45FFEA



5AB2E8



677371



00B39E



00332D



# Inverse Universe

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



E85A6A



FF455A



E8905A



736769



B30014

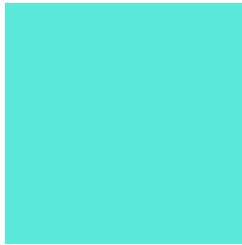


330006



# Previews

## White Background



This preview shows how the Hex color 5AE8D8 looks on a white background.

## Color Contrast Check

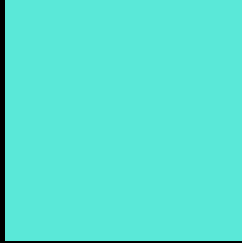
Large Text (above 18pt) WCAG AA × Fail

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 5AE8D8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

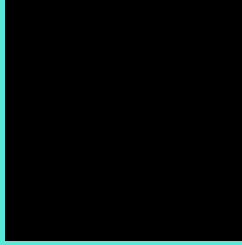
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

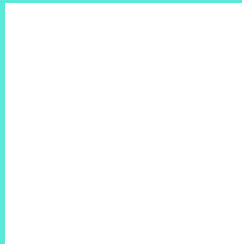
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5AE8D8 Background



This preview shows how black text looks on a background with the Hex color 5AE8D8.

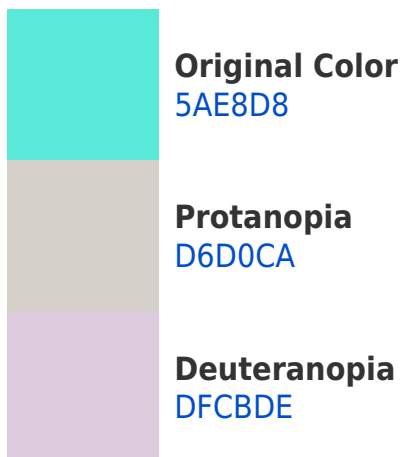


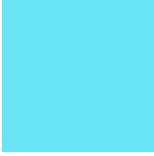
This preview shows how white text looks on a background with the Hex color 5AE8D8.

# 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



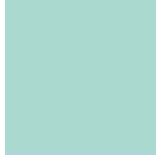


**Tritanopia**  
67E4F6

# Trichromacy



**Original Color**  
5AE8D8



**Protanomaly**  
A9D9CF



**Deuteranomaly**  
AFD6DC

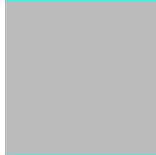


**Tritanomaly**  
62E5EB

# Monochromacy



**Original Color**  
5AE8D8



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
98CCC6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AE8D8 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 #5AE8D8 looks like.

```
.text, #text, p{  
    color:#5AE8D8  
}
```

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 #5AE8D8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AE8D8
}
```

## Border

The CSS property to change the border of an element to Hex 5AE8D8 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
#5AE8D8 }
```

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

```
.border{ border-color:#5AE8D8 }
```

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

Here you see how a box with a 4 pixel #5AE8D8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AE8D8; -webkit-box-shadow:4px 4px  
4px 4px #5AE8D8; box-shadow:4px 4px 4px  
4px #5AE8D8 }
```

# Background

The CSS property to change the background color of an element to Hex 5AE8D8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AE8D8 }
```

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

```
.background{ background-color:#5AE8D8 }
```

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