

# Converting Colors

Hex(5BCAEA)

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

<b>Hex(5BCAEA)</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(5BCAEA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BCAEA
RGB	91, 202, 234
RGB Percent	36%, 79%, 92%
CMY	0.6431, 0.2078, 0.0824
CMYK	0.61, 0.14, 0.00, 0.08
HSL	193°, 77%, 64%
HSV	193°, 61%, 92%
XYZ	40.2862, 50.4057, 85.4479
YIQ	172.4590, -76.4280, -13.5800

# Conversions

## Conversions Part 2

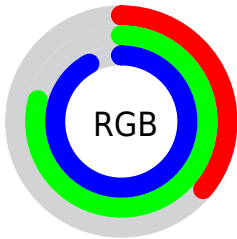
Format	Color
<a href="#">RYB</a>	<a href="#">91, 153, 234</a>
Decimal	<a href="#">6015722</a>
CIELab	<a href="#">76.32, -22.33, -25.31</a>
CIELCh	<a href="#">76, 33.755, 228.572</a>
Yxy	<a href="#">50.4057, 0.2287, 0.2862</a>
Android (android.graphics.Color)	<a href="#">4284205802 (0xFF5BCAEA)</a>
YUV	<a href="#">172.4590, 30.3397, -71.4395</a>
Hunter-Lab	<a href="#">70.9970, -22.9575, -21.6601</a>

# Details

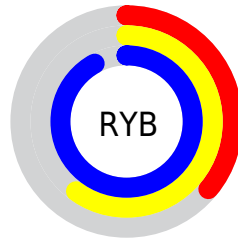
The Hex color **5BCAEA** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **EA7B5B**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **99FFFF**, and **0094B2** is the 20% darker color. If you saturate the color by 10%, you get **44C5EA**, and if you desaturate by 10%, it is **72CFEA**.

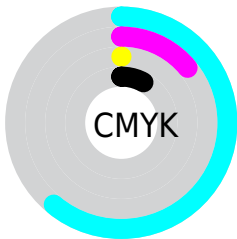
# Distribution



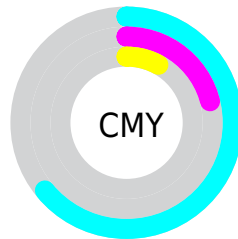
- Red (36%)
- Green (79%)
- Blue (92%)



- Red (36%)
- Yellow (60%)
- Blue (92%)



- Cyan (61%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (64%)
- Magenta (21%)
- Yellow (8%)

# Brightness & Saturation Gradients

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



 5BCAEA

 5BCAEA

FFFFFF

 38AECE

 99FFFF

 0094B2

 B7FFFF

 007A97

 D5FFFF

 00617D

 F4FFFF

 004964

 00324C

 001F35

 000220

 000004

■ 5BCAEA

■ 5BCAEA

■ 44C5EA

■ 72CFEA

■ 2CC0EA

■ 8AD4EA

■ 15BAEA

■ A1DAEA

■ 00B6EA

■ B9DFEA

■ D0E4EA

■ E7E9EA

■ FFEFEA

■ FFF4EA

■ FFF9EA

# Harmonies

## Analogous

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



59CDCF



5BCAEA



81C3F9

# Triad

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



5BCAEA



F2A6CA



BEC080

# Complementary

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



5BCAEA



EA7B5B

# 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.



DDB67F



5BCAEA



FBA5AA

# Square

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



5BCAEA



D8AEE6



F2AC8F



9BC892

# Rectangle

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



5BCAEA



A0BCFA



F2AC8F



C9BD7E

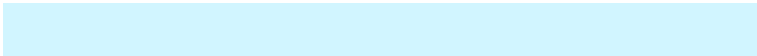


# Sweetspot

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



5BCAEA



D1F5FF



5BEA7A



637980



000000



808080



# Same Dimension

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



5BCAEA



45D5FF



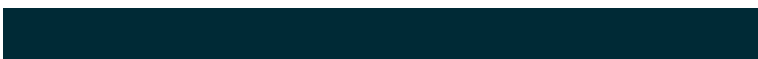
5B84EA



6A7375



008DB5



002A36



# Inverse Universe

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



EA5BCA



FF45D5



EAC15B



756A73



B5008D

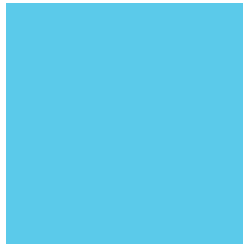


36002A



# Previews

## White Background



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

## Color Contrast Check

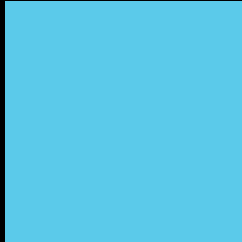
Large Text (above 18pt) WCAG AA × Fail

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 5BCAEA 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 5BCAEA Background



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

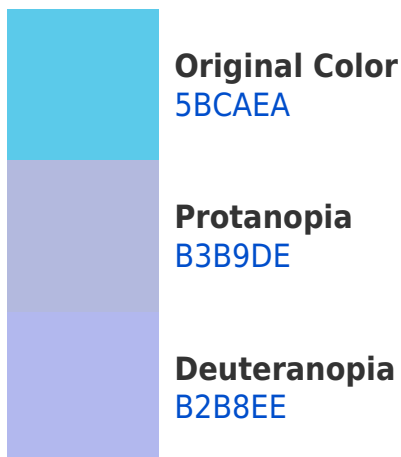


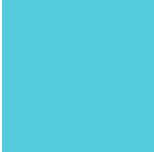
This preview shows how white text looks on a background with the Hex color 5BCAEA.

# 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](#).

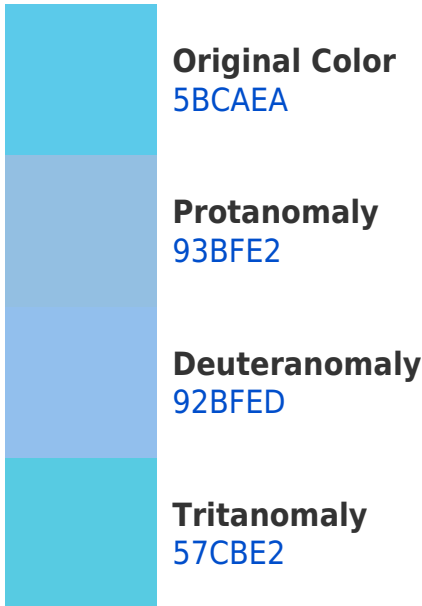
## Dichromacy



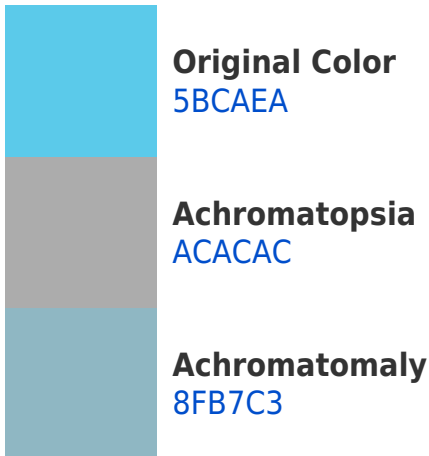


**Tritanopia**  
55CCDD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #5BCAEA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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