

# Converting Colors

Hex(5BC4E2)

Have a look what the booklet for  
Hex(5BC4E2) contains.

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# Color

Hex(5BC4E2)

# Conversions

## Conversions Part 1

Format	Color
Hex	5BC4E2
RGB	91, 196, 226
RGB Percent	36%, 77%, 89%
CMY	0.6431, 0.2314, 0.1137
CMYK	0.60, 0.13, 0.00, 0.11
HSL	193°, 70%, 62%
HSV	193°, 60%, 89%
XYZ	37.7818, 47.1950, 79.0697
YIQ	168.0250, -72.2100, -12.9300

# Conversions

## Conversions Part 2

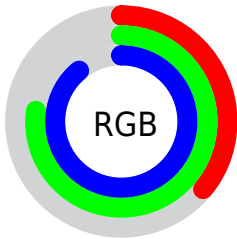
Format	Color
R <sub>Y</sub> B	91, 150, 226
Decimal	6014178
CIE Lab	74.31, -21.65, -24.05
CIE LCh	74, 32.362, 228.011
Yxy	47.1950, 0.2303, 0.2877
Android (android.graphics.Color)	4284204258 (0xFF5BC4E2)
YUV	168.0250, 28.5817, -67.5509
Hunter-Lab	68.6986, -22.0539, -20.1517

# Details

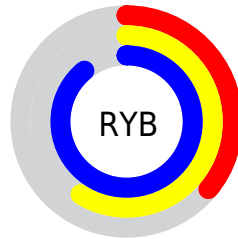
The Hex color **5BC4E2** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **E2795B**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **98FDFF**, and **008EAB** is the 20% darker color. If you saturate the color by 10%, you get **44BFE2**, and if you desaturate by 10%, it is **72C9E2**.

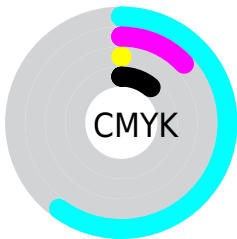
# Distribution



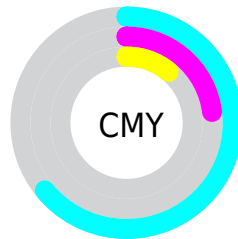
- Red (36%)
- Green (77%)
- Blue (89%)



- Red (36%)
- Yellow (59%)
- Blue (89%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (64%)
- Magenta (23%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BC4E2 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 5BC4E2 by changing the saturation by 10% instead.



 5BC4E2

 5BC4E2

FFFFFF

 39A9C6

 98FDFD

 008EAB

 B6FFFF

 007490

 D4FFFF

 005C76

 F2FFFF

 00445E

 002D46

 001A2F

 00011A

 000000

■ 5BC4E2

■ 5BC4E2

■ 44BFE2

■ 72C9E2

■ 2EBAE2

■ 88CEE2

■ 17B5E2

■ 9FD3E2

■ 01B0E2

■ B5D8E2

■ 00B0E2

■ CCDDE2

■ E3E2E2

■ F9E7E2

■ FFECE2

■ FFF1E2

# Harmonies

## Analogous

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



5AC7C8



5BC4E2



7EBDF0

# Triad

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



5BC4E2



EAA2C4



B9BB7E

# Complementary

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



5BC4E2



E2795B

# 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.



D6B17D



5BC4E2



F2A1A6

# Square

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



5BC4E2



D1A9DF



EBA78C



97C28E

# Rectangle

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



5BC4E2



9BB7F1



EBA78C



C4B77C

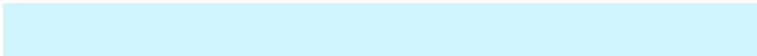


# Sweetspot

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



5BC4E2



D1F5FF



5BE278



637980



000000



808080



# Same Dimension

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



5BC4E2



47D6FF



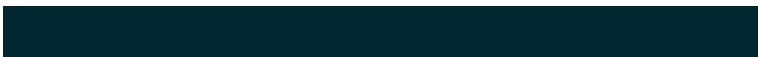
5B81E2



656E70



0089B0



002630



# Inverse Universe

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



E25BC4



FF47D6



E2BC5B



70656E



B00089

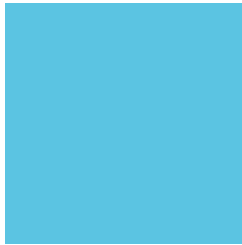


300026



# Previews

## White Background



This preview shows how the Hex color 5BC4E2 looks on a white background.

## Color Contrast Check

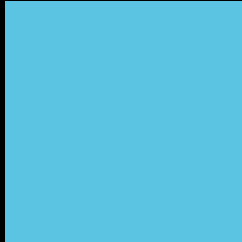
Large Text (above 18pt) WCAG AA × Fail

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 5BC4E2 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 5BC4E2 Background



This preview shows how black text looks on a background with the Hex color 5BC4E2.

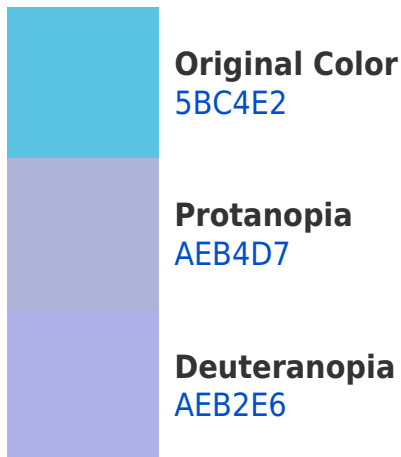


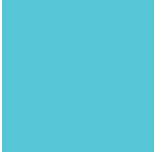
This preview shows how white text looks on a background with the Hex color 5BC4E2.

# 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](#).

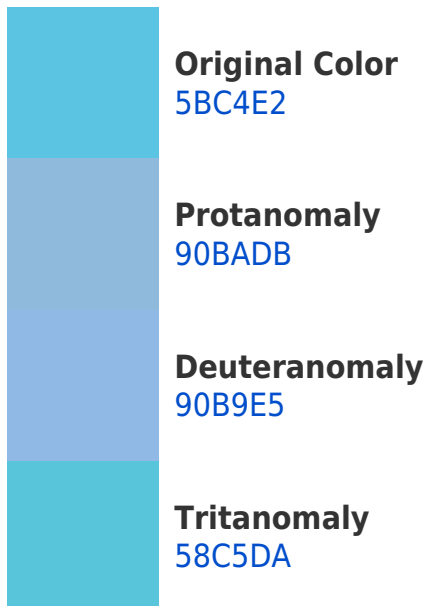
## Dichromacy



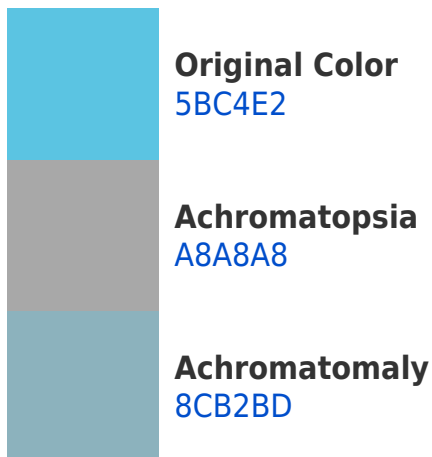


**Tritanopia**  
56C6D6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BC4E2 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 #5BC4E2 looks like.

```
.text, #text, p{  
    color:#5BC4E2  
}
```

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 #5BC4E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BC4E2
}
```

## Border

The CSS property to change the border of an element to Hex 5BC4E2 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
#5BC4E2 }
```

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

```
.border{ border-color:#5BC4E2 }
```

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

Here you see how a box with a 4 pixel #5BC4E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BC4E2; -webkit-box-shadow:4px 4px  
4px 4px #5BC4E2; box-shadow:4px 4px 4px  
4px #5BC4E2 }
```

# Background

The CSS property to change the background color of an element to Hex 5BC4E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BC4E2 }
```

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

```
.background{ background-color:#5BC4E2 }
```

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](#).



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