

Converting Colors

Hex(51CAEA)

Have a look what the booklet for
Hex(51CAEA) contains.

Hex(51CAEA)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(51CAEA)

Conversions

Conversions Part 1

Format	Color
Hex	51CAEA
RGB	81, 202, 234
RGB Percent	32%, 79%, 92%
CMY	0.6824, 0.2078, 0.0824
CMYK	0.65, 0.14, 0.00, 0.08
HSL	193°, 78%, 62%
HSV	193°, 65%, 92%
XYZ	39.3652, 49.9309, 85.4048
YIQ	169.4690, -82.3880, -15.7000

Conversions

Conversions Part 2

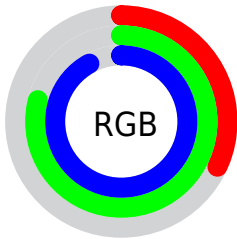
Format	Color
R _Y B	81, 149, 234
Decimal	5360362
CIE Lab	76.03, -23.97, -25.78
CIE LCh	76, 35.199, 227.088
Yxy	49.9309, 0.2253, 0.2858
Android (android.graphics.Color)	4283550442 (0xFF51CAEA)
YUV	169.4690, 31.8138, -77.5873
Hunter-Lab	70.6618, -24.2172, -22.1971

Details

The Hex color **51CAEA** 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 **EA7151**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **91FFFF**, and **0094B2** is the 20% darker color. If you saturate the color by 10%, you get **3AC5EA**, and if you desaturate by 10%, it is **68CFEA**.

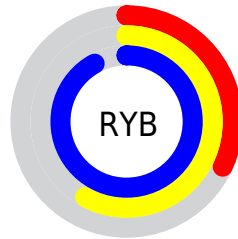
Distribution



Red (32%)

Green (79%)

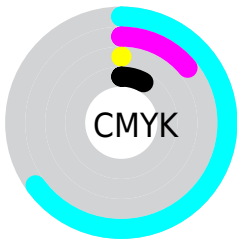
Blue (92%)



Red (32%)

Yellow (58%)

Blue (92%)

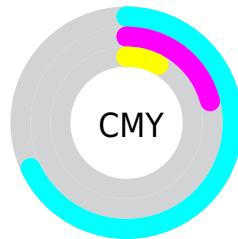


Cyan (65%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (68%)

Magenta (21%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Hex color 51CAEA 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 51CAEA by changing the saturation by 10% instead.

 51CAEA

 51CAEA

FFFFFF

 28AECE

 91FFFF

 0094B2

 B0FFFF

 007A97

 CEFFFF

 00617D

 EDFFFF

 004964

 00324C

 001F35

 000220

 000004

■ 51CAEA

■ 51CAEA

■ 3AC5EA

■ 68CFEA

■ 22C0EA

■ 80D4EA

■ 0BBBEA

■ 97D9EA

■ 00B9EA

■ AFDEEA

■ C6E2EA

■ DDE7EA

■ F5ECEA

■ FFF1EA

■ FFF6EA

Harmonies

Analogous

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



52CDCD



51CAEA



7AC3FA

Triad

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



51CAEA



F2A4CB



BFBF7D

Complementary

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



51CAEA



EA7151

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.



DEB57C



51CAEA



FCA3AA

Square

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



51CAEA



D7ADE8



F4AA8D



9AC88E

Rectangle

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



51CAEA



9BBCFC



F4AA8D



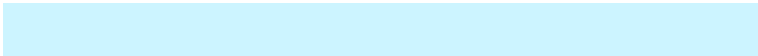
CABC7A

Sweetspot

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



51CAEA



CCF4FF



51EA70



617980



000000



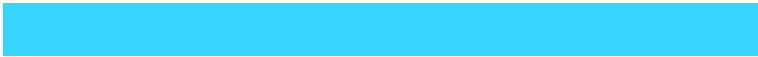
808080

Same Dimension

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



51CAEA



38D5FF



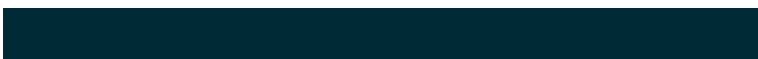
517FEA



6A7375



008FB5



002A36

Inverse Universe

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



EA51CA



FF38D5



EABC51



756A73



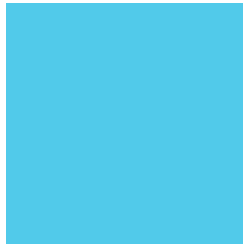
B5008F



36002A

Previews

White Background



This preview shows how the Hex color 51CAEA looks on a white background.

Color Contrast Check

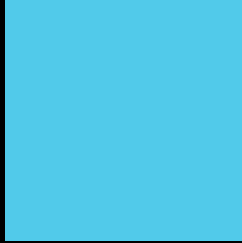
Large Text (above 18pt) WCAG AA × Fail

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 51CAEA 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 51CAEA Background



This preview shows how black text looks on a background with the Hex color 51CAEA.

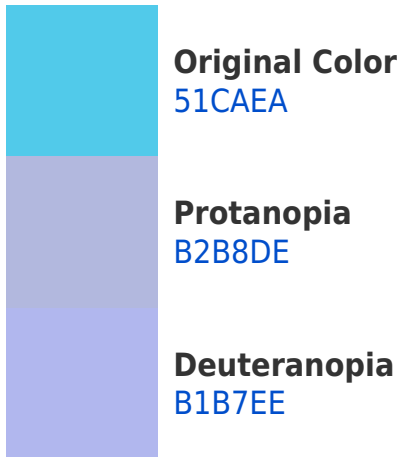


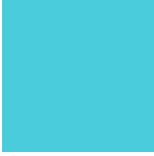
This preview shows how white text looks on a background with the Hex color 51CAEA.

Color Blindness Simulation

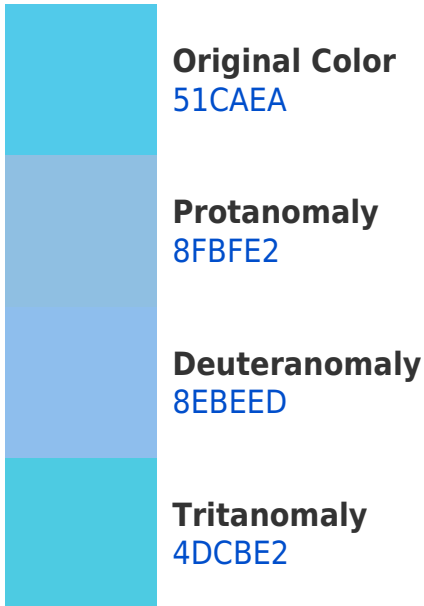
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

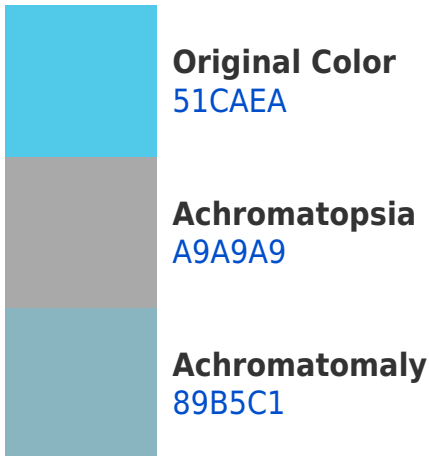




Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 51CAEA 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 #51CAEA looks like.

```
.text, #text, p{  
    color:#51CAEA  
}
```

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 #51CAEA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51CAEA
}
```

Border

The CSS property to change the border of an element to Hex 51CAEA 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
#51CAEA }
```

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

```
.border{ border-color:#51CAEA }
```

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

Here you see how a box with a 4 pixel #51CAEA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51CAEA; -webkit-box-shadow:4px 4px  
4px 4px #51CAEA; box-shadow:4px 4px 4px  
4px #51CAEA }
```

Background

The CSS property to change the background color of an element to Hex 51CAEA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51CAEA }
```

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

```
.background{ background-color:#51CAEA }
```

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