

# Converting Colors

Hex(49C7E2)

Have a look what the booklet for  
Hex(49C7E2) contains.

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# **Color**

**Hex(49C7E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49C7E2
RGB	73, 199, 226
RGB Percent	29%, 78%, 89%
CMY	0.7137, 0.2196, 0.1137
CMYK	0.68, 0.12, 0.00, 0.11
HSL	191°, 73%, 59%
HSV	191°, 68%, 89%
XYZ	36.8985, 47.7543, 79.2243
YIQ	164.4040, -83.7630, -18.3150

# Conversions

## Conversions Part 2

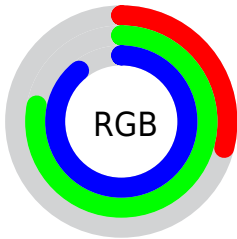
Format	Color
<a href="#">RYB</a>	<a href="#">73, 142, 226</a>
Decimal	<a href="#">4835298</a>
CIELab	<a href="#">74.67, -26.07, -23.56</a>
CIELCh	<a href="#">75, 35.137, 222.104</a>
Yxy	<a href="#">47.7543, 0.2252, 0.2914</a>
Android (android.graphics.Color)	<a href="#">4283025378</a> ( <a href="#">0xFF49C7E2</a> )
YUV	<a href="#">164.4040, 30.3668, -80.1613</a>
Hunter-Lab	<a href="#">69.1045, -25.6223, -19.5994</a>

# Details

The Hex color **49C7E2** 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 **E26449**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **8BFFFF**, and **0091AB** is the 20% darker color. If you saturate the color by 10%, you get **32C3E2**, and if you desaturate by 10%, it is **60CBE2**.

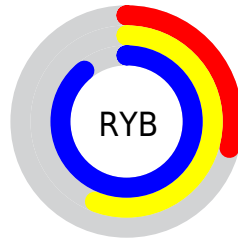
# Distribution



Red (29%)

Green (78%)

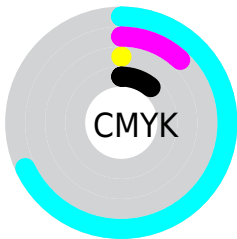
Blue (89%)



Red (29%)

Yellow (56%)

Blue (89%)

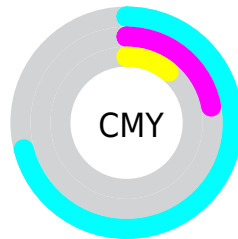


Cyan (68%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (22%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49C7E2 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 49C7E2 by changing the saturation by 10% instead.



 49C7E2

 49C7E2

FFFFFF

 1BACC6

 8BFFFF

 0091AB

 A9FFFF

 007790

 C8FFFF

 005E76

 E6FFFF

 00465E

 002F46

 001B2F

 00011A

 000000

■ 49C7E2

■ 49C7E2

■ 32C3E2

■ 60CBE2

■ 1CBFE2

■ 76CFE2

■ 05BBE2

■ 8DD3E2

■ 00BAE2

■ A3D7E2

■ BADBE2

■ D1DFE2

■ E7E3E2

■ FEE7E2

■ FFEBE2

# Harmonies

## Analogous

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



52C9C4



49C7E2



6EC0F5

# Triad

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



49C7E2



EBA2CC



C1BA78

# Complementary

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



49C7E2



E26449

# 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.



DFAF7B



49C7E2



F89FAC

# Square

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



49C7E2



CDABE8



F3A58E



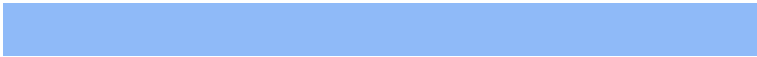
9DC387

# Rectangle

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



49C7E2



8FBAF8



F3A58E



CCB677

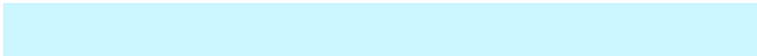


# Sweetspot

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



49C7E2



CCF6FF



49E262



617A80



000000



808080



# Same Dimension

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



49C7E2



30DBFF



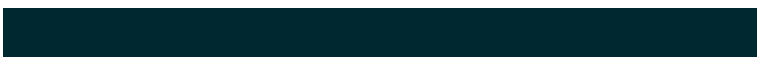
497CE2



656E70



0091B0



002830



# Inverse Universe

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



E249C7



FF30DB



E2AF49



70656E



B00091

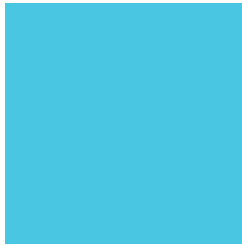


300028



# Previews

## White Background



This preview shows how the Hex color 49C7E2 looks on a white background.

## Color Contrast Check

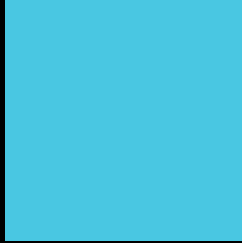
Large Text (above 18pt) WCAG AA × Fail

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 49C7E2 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 49C7E2 Background



This preview shows how black text looks on a background with the Hex color 49C7E2.

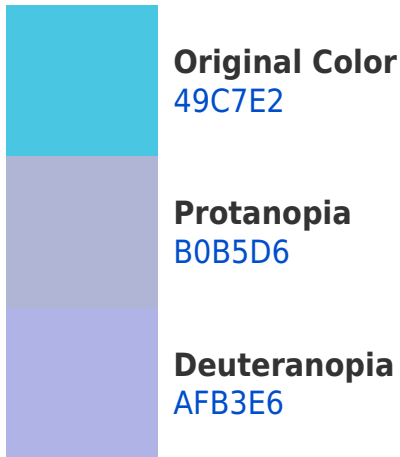


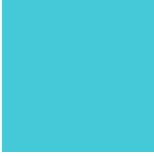
This preview shows how white text looks on a background with the Hex color 49C7E2.

# 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](#).

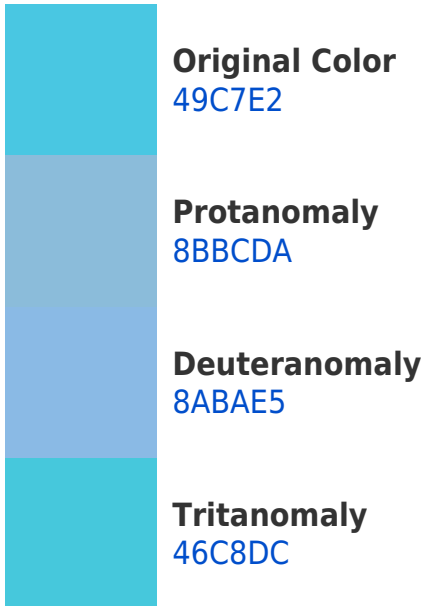
## Dichromacy



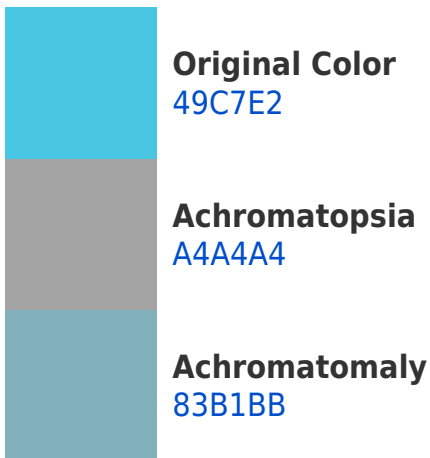


**Tritanopia**  
44C9D9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49C7E2 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 #49C7E2 looks like.

```
.text, #text, p{  
    color:#49C7E2  
}
```

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 #49C7E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49C7E2
}
```

## Border

The CSS property to change the border of an element to Hex 49C7E2 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
#49C7E2 }
```

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

```
.border{ border-color:#49C7E2 }
```

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

Here you see how a box with a 4 pixel #49C7E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49C7E2; -webkit-box-shadow:4px 4px  
4px 4px #49C7E2; box-shadow:4px 4px 4px  
4px #49C7E2 }
```

# Background

The CSS property to change the background color of an element to Hex 49C7E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49C7E2 }
```

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

```
.background{ background-color:#49C7E2 }
```

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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