

Converting Colors

Hex(45B9E9)

Have a look what the booklet for
Hex(45B9E9) contains.

Hex(45B9E9)	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(45B9E9)

Conversions

Conversions Part 1

Format	Color
Hex	45B9E9
RGB	69, 185, 233
RGB Percent	27%, 73%, 91%
CMY	0.7294, 0.2745, 0.0863
CMYK	0.70, 0.21, 0.00, 0.09
HSL	198°, 79%, 59%
HSV	198°, 70%, 91%
XYZ	34.5112, 41.8463, 83.3490
YIQ	155.7880, -84.5440, -9.6640

Conversions

Conversions Part 2

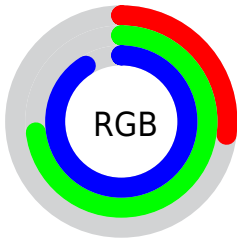
Format	Color
R _Y B	69, 137, 233
Decimal	4569577
CIE Lab	70.76, -17.28, -33.36
CIE LCh	71, 37.570, 242.616
Yxy	41.8463, 0.2161, 0.2620
Android (android.graphics.Color)	4282759657 (0xFF45B9E9)
YUV	155.7880, 38.0655, -76.1131
Hunter-Lab	64.6887, -17.9762, -31.1108

Details

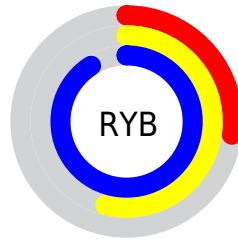
The Hex color **45B9E9** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **E97545**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **88F1FF**, and **0084B1** is the 20% darker color. If you saturate the color by 10%, you get **2EB2E9**, and if you desaturate by 10%, it is **5CC0E9**.

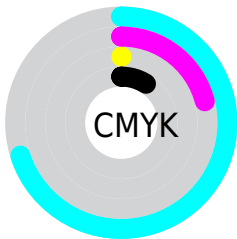
Distribution



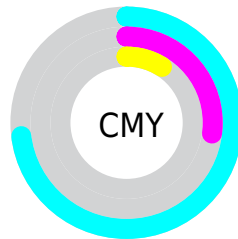
- Red (27%)
- Green (73%)
- Blue (91%)



- Red (27%)
- Yellow (54%)
- Blue (91%)



- Cyan (70%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (73%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Hex color 45B9E9 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 45B9E9 by changing the saturation by 10% instead.

 45B9E9

 45B9E9

FFFFFF

 119ECD

 88F1FF

 0084B1

 A7FFFF

 006B96

 C5FFFF

 00527C

 E4FFFF

 003B63

 00264B

 000A34

 00021E

 000000

■ 45B9E9

■ 45B9E9

■ 2EB2E9

■ 5CC0E9

■ 16ABE9

■ 74C7E9

■ 00A5E9

■ 8BCDE9

■ A2D4E9

■ BADBE9

■ D1E2E9

■ E8E9E9

■ FFF0E9

■ FFF6E9

Harmonies

Analogous

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



1EBED1



45B9E9



81AFF1

Triad

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



45B9E9



EE93AB



9DB672

Complementary

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



45B9E9



E97545

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.



C1AC68



45B9E9



EE968A

Square

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



45B9E9



DB98CD



DDA071



74BD8D

Rectangle

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



45B9E9



A5A7EC



DDA071



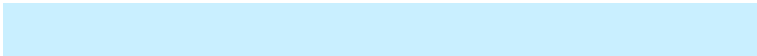
A9B36D

Sweetspot

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



45B9E9



C9EFFF



45E973



607680



000000



808080

Same Dimension

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



45B9E9



29C0FF



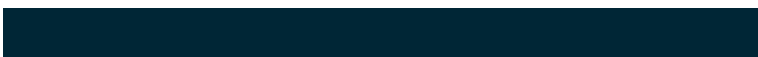
4569E9



6A7275



0080B5



002636

Inverse Universe

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



E945B9



FF29C0



E9C545



756A72



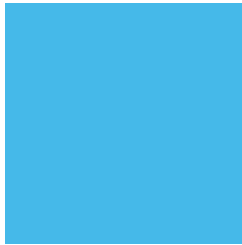
B50080



360026

Previews

White Background



This preview shows how the Hex color 45B9E9 looks on a white background.

Color Contrast Check

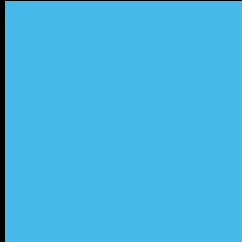
Large Text (above 18pt) WCAG AA × Fail

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 45B9E9 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 45B9E9 Background



This preview shows how black text looks on a background with the Hex color 45B9E9.

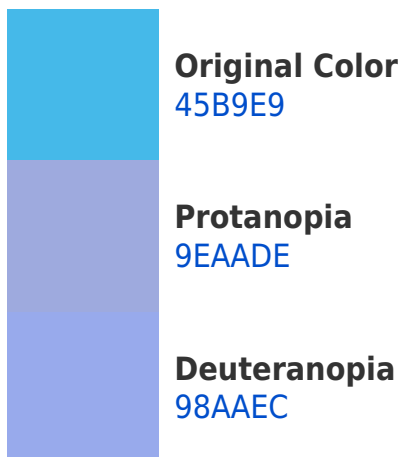


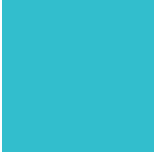
This preview shows how white text looks on a background with the Hex color 45B9E9.

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](#).

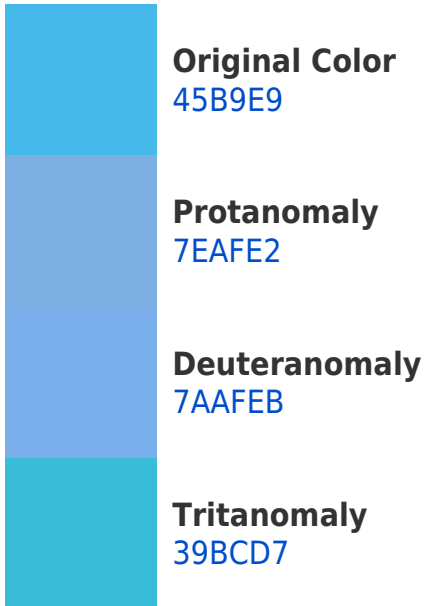
Dichromacy



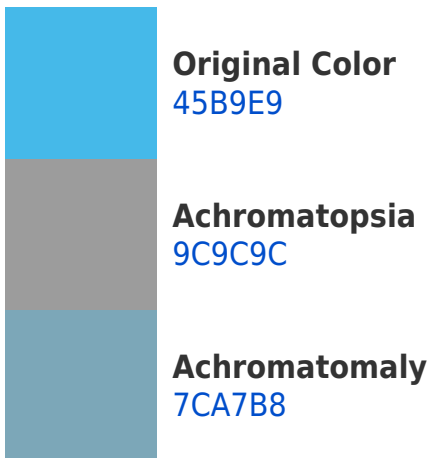


Tritanopia
32BECD

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45B9E9 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 #45B9E9 looks like.

```
.text, #text, p{  
    color:#45B9E9  
}
```

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 #45B9E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45B9E9
}
```

Border

The CSS property to change the border of an element to Hex 45B9E9 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
#45B9E9 }
```

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

```
.border{ border-color:#45B9E9 }
```

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

Here you see how a box with a 4 pixel #45B9E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45B9E9; -webkit-box-shadow:4px 4px  
4px 4px #45B9E9; box-shadow:4px 4px 4px  
4px #45B9E9 }
```

Background

The CSS property to change the background color of an element to Hex 45B9E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45B9E9 }
```

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

```
.background{ background-color:#45B9E9 }
```

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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