

Converting Colors

Hex(45BCE7)

Have a look what the booklet for
Hex(45BCE7) contains.

Hex(45BCE7)	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(45BCE7)

Conversions

Conversions Part 1

Format	Color
Hex	45BCE7
RGB	69, 188, 231
RGB Percent	27%, 74%, 91%
CMY	0.7294, 0.2627, 0.0941
CMYK	0.70, 0.19, 0.00, 0.09
HSL	196°, 77%, 59%
HSV	196°, 70%, 91%
XYZ	34.8613, 43.0012, 82.0640
YIQ	157.3210, -84.7270, -11.8550

Conversions

Conversions Part 2

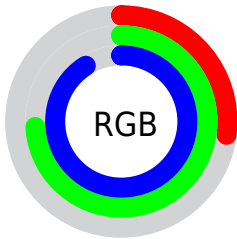
Format	Color
RYB	69, 138, 231
Decimal	4570343
CIELab	71.56, -19.49, -31.05
CIELCh	72, 36.660, 237.888
Yxy	43.0012, 0.2180, 0.2689
Android (android.graphics.Color)	4282760423 (0xFF45BCE7)
YUV	157.3210, 36.3237, -77.4575
Hunter-Lab	65.5753, -19.8622, -28.2956

Details

The Hex color **45BCE7** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **E77045**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **88F4FF**, and **0087AF** is the 20% darker color. If you saturate the color by 10%, you get **2EB6E7**, and if you desaturate by 10%, it is **5CC2E7**.

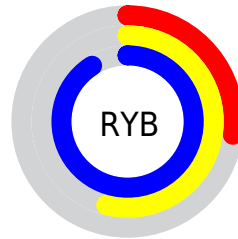
Distribution



Red (27%)

Green (74%)

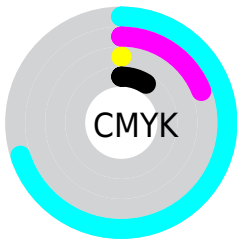
Blue (91%)



Red (27%)

Yellow (54%)

Blue (91%)

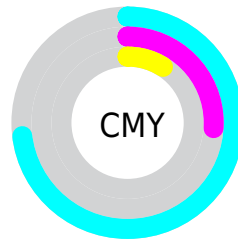


Cyan (70%)

Magenta (19%)

Yellow (0%)

Black (9%)



Cyan (73%)

Magenta (26%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Hex color 45BCE7 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 45BCE7 by changing the saturation by 10% instead.

 45BCE7

 45BCE7

FFFFFF

 11A1CB

 88F4FF

 0087AF

 A6FFFF

 006D94

 C5FFFF

 00557B

 E4FFFF

 003D61

 002749

 000E33

 00021D

 000000

 45BCE7

 45BCE7

 2EB6E7

 5CC2E7

 17B0E7

 73C8E7

 00AAE7

 8ACEE7

 A1D5E7

 B9DBE7

 D0E1E7

 E7E7E7

 FEEDE7

 FFF3E7

Harmonies

Analogous

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



2FC1CD



45BCE7



7CB3F2

Triad

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



45BCE7



ED96B3



A5B773

Complementary

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



45BCE7



E77045

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.



C8AC6C



45BCE7



F09892

Square

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



45BCE7



D79CD3



E2A178



7EBE8B

Rectangle

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



45BCE7



A0ACEF



E2A178



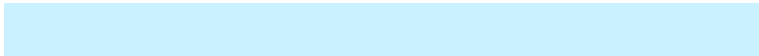
B1B46F

Sweetspot

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



45BCE7



C9F1FF



45E76E



607780



000000



808080

Same Dimension

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



45BCE7



29C6FF



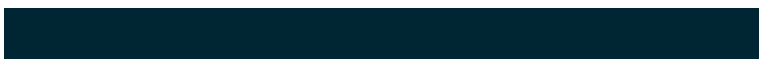
456EE7



677073



0083B3



002533

Inverse Universe

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



E745BC



FF29C6



E7BF45



736770



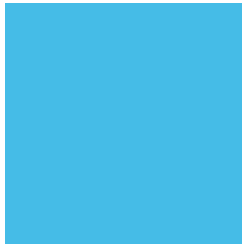
B30083



330025

Previews

White Background



This preview shows how the Hex color 45BCE7 looks on a white background.

Color Contrast Check

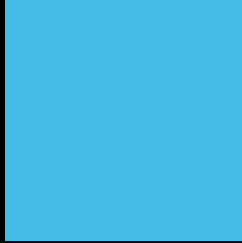
Large Text (above 18pt) WCAG AA × Fail

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 45BCE7 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 45BCE7 Background



This preview shows how black text looks on a background with the Hex color 45BCE7.

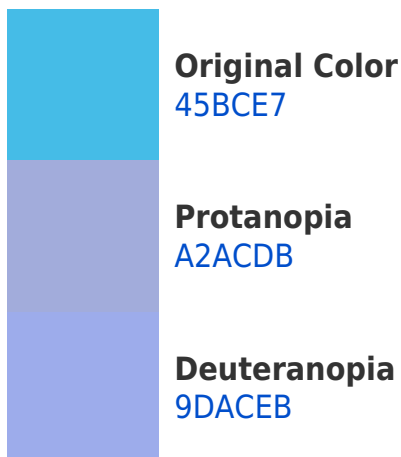


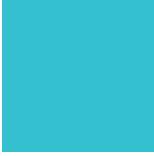
This preview shows how white text looks on a background with the Hex color 45BCE7.

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](#).

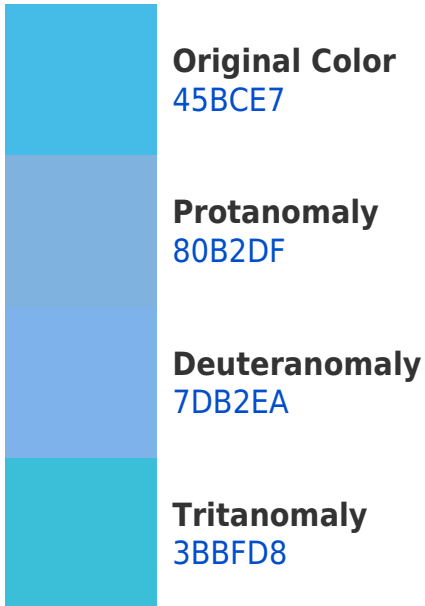
Dichromacy



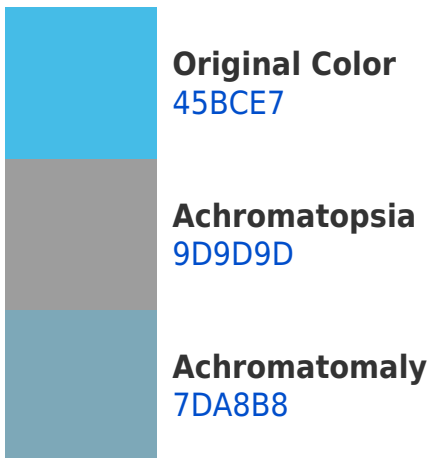


Tritanopia
35C0D0

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45BCE7 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 #45BCE7 looks like.

```
.text, #text, p{  
    color:#45BCE7  
}
```

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 #45BCE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45BCE7
}
```

Border

The CSS property to change the border of an element to Hex 45BCE7 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
#45BCE7 }
```

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

```
.border{ border-color:#45BCE7 }
```

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

Here you see how a box with a 4 pixel #45BCE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45BCE7; -webkit-box-shadow:4px 4px  
4px 4px #45BCE7; box-shadow:4px 4px 4px  
4px #45BCE7 }
```

Background

The CSS property to change the background color of an element to Hex 45BCE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45BCE7 }
```

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

```
.background{ background-color:#45BCE7 }
```

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