

Converting Colors

Hex(45B7F0)

Have a look what the booklet for
Hex(45B7F0) contains.

Hex(45B7F0)	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(45B7F0)

Conversions

Conversions Part 1

Format	Color
Hex	45B7F0
RGB	69, 183, 240
RGB Percent	27%, 72%, 94%
CMY	0.7294, 0.2824, 0.0588
CMYK	0.71, 0.24, 0.00, 0.06
HSL	200°, 85%, 61%
HSV	200°, 71%, 94%
XYZ	35.1159, 41.4235, 88.5828
YIQ	155.4120, -86.2410, -6.4410

Conversions

Conversions Part 2

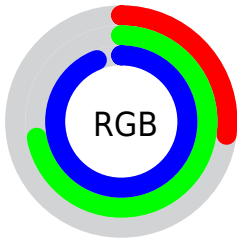
Format	Color
R _{YB}	69, 137, 240
Decimal	4569072
CIE _{Lab}	70.47, -13.94, -37.62
CIE _{LCh}	70, 40.119, 249.660
Y _{xy}	41.4235, 0.2127, 0.2509
Android (android.graphics.Color)	4282759152 (0xFF45B7F0)
YUV	155.4120, 41.7019, -75.7833
Hunter-Lab	64.3611, -15.2408, -36.5506

Details

The Hex color **45B7F0** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **F07E45**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **88EFFF**, and **0082B8** is the 20% darker color. If you saturate the color by 10%, you get **2DAFF0**, and if you desaturate by 10%, it is **5DBFF0**.

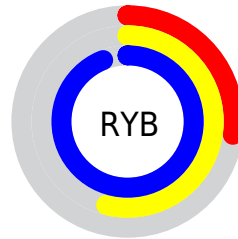
Distribution



Red (27%)

Green (72%)

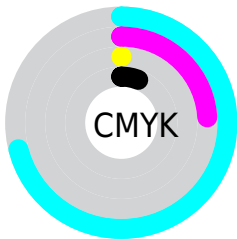
Blue (94%)



Red (27%)

Yellow (54%)

Blue (94%)

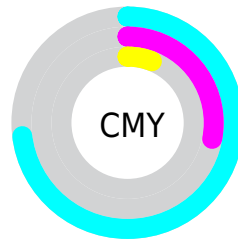


Cyan (71%)

Magenta (24%)

Yellow (0%)

Black (6%)



Cyan (73%)

Magenta (28%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45B7F0 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 45B7F0 by changing the saturation by 10% instead.

 45B7F0

 45B7F0

FFFFFF

 0E9CD4

 88EFFF

 0082B8

 A8FFFF

 00699D

 C6FFFF

 005182

 E5FFFF

 003A69

 002550

 000939

 000223

 00000A

 45B7F0

 45B7F0

 2DAFF0

 5DBFF0

 15A7F0

 75C7F0

 00A0F0

 8DCFF0

 A5D7F0

 BDDFF0

 D5E7F0

 EDEFF0

 FFF7F0

 FFFFF0

Harmonies

Analogous

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



00BEDA



45B7F0



8AACF4

Triad

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



45B7F0



F390A2



91B873

Complementary

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



45B7F0



F07E45

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.



B8AE63



45B7F0



EE9680

Square

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



45B7F0



E393C7



D9A268



62BE92

Rectangle

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



45B7F0



B0A3EC



D9A268



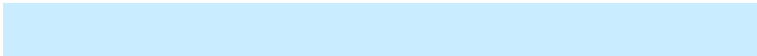
9FB56C

Sweetspot

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



45B7F0



C9EDFF



45F07E



607580



000000



808080

Same Dimension

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



45B7F0



24B6FF



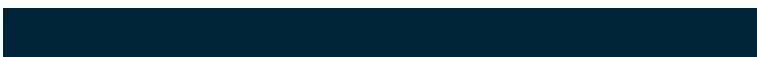
4562F0



6C7478



007AB8



002538

Inverse Universe

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



F045B7



FF24B6



F0D345



786C74



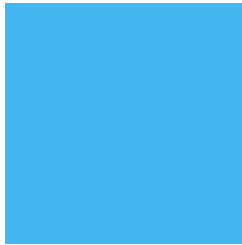
B8007A



380025

Previews

White Background



This preview shows how the Hex color 45B7F0 looks on a white background.

Color Contrast Check

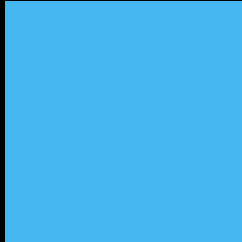
Large Text (above 18pt) WCAG AA × Fail

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 45B7F0 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

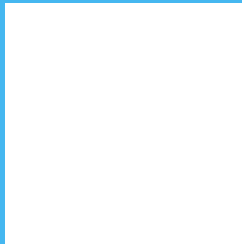
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 45B7F0 Background



This preview shows how black text looks on a background with the Hex color 45B7F0.

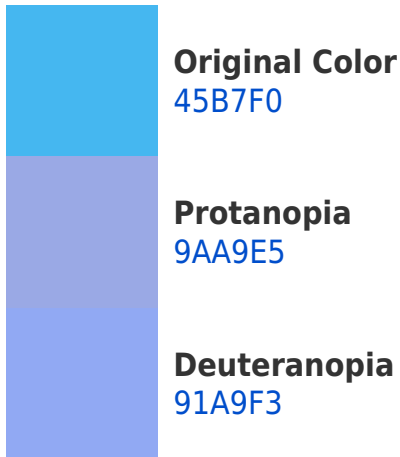


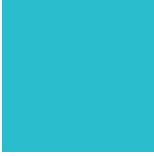
This preview shows how white text looks on a background with the Hex color 45B7F0.

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](#).

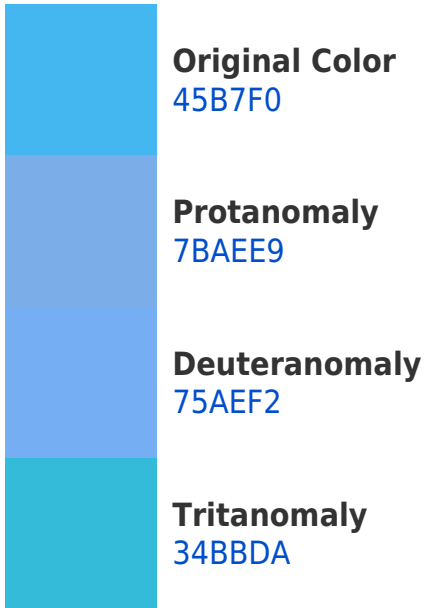
Dichromacy



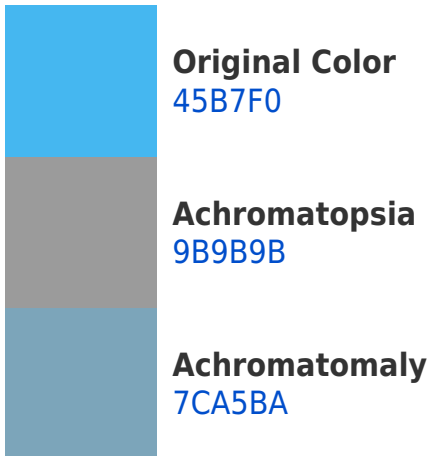


Tritanopia
2ABDCD

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45B7F0 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 #45B7F0 looks like.

```
.text, #text, p{  
    color:#45B7F0  
}
```

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 #45B7F0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45B7F0
}
```

Border

The CSS property to change the border of an element to Hex 45B7F0 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
#45B7F0 }
```

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

```
.border{ border-color:#45B7F0 }
```

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

Here you see how a box with a 4 pixel #45B7F0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45B7F0; -webkit-box-shadow:4px 4px  
4px 4px #45B7F0; box-shadow:4px 4px 4px  
4px #45B7F0 }
```

Background

The CSS property to change the background color of an element to Hex 45B7F0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45B7F0 }
```

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

```
.background{ background-color:#45B7F0 }
```

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