

Converting Colors

Hex(46B3E9)

Have a look what the booklet for
Hex(46B3E9) contains.

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Color

Hex(46B3E9)

Conversions

Conversions Part 1

Format	Color
Hex	46B3E9
RGB	70, 179, 233
RGB Percent	27%, 70%, 91%
CMY	0.7255, 0.2980, 0.0863
CMYK	0.70, 0.23, 0.00, 0.09
HSL	200°, 79%, 59%
HSV	200°, 70%, 91%
XYZ	33.3539, 39.4255, 82.9427
YIQ	152.5650, -82.2980, -6.3140

Conversions

Conversions Part 2

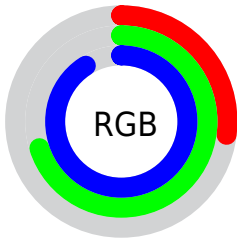
Format	Color
RYB	70, 135, 233
Decimal	4633577
CIELab	69.06, -13.96, -36.00
CIELCh	69, 38.615, 248.811
Yxy	39.4255, 0.2142, 0.2532
Android (android.graphics.Color)	4282823657 (0xFF46B3E9)
YUV	152.5650, 39.6545, -72.4095
Hunter-Lab	62.7897, -15.0629, -34.3670

Details

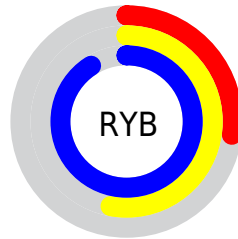
The Hex color **46B3E9** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **E97C46**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **88EBFF**, and **007EB1** is the 20% darker color. If you saturate the color by 10%, you get **2FABE9**, and if you desaturate by 10%, it is **5DBBE9**.

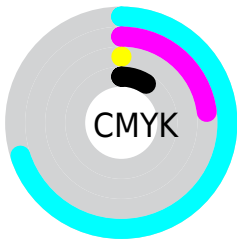
Distribution



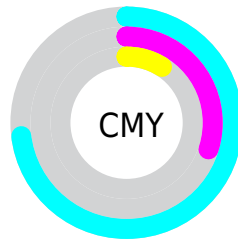
- Red (27%)
- Green (70%)
- Blue (91%)



- Red (27%)
- Yellow (53%)
- Blue (91%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (73%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Hex color 46B3E9 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 46B3E9 by changing the saturation by 10% instead.

 46B3E9

 46B3E9


FFFFFF

 1598CD

 88EBFF

 007EB1

 A7FFFF

 006596


 C5FFFF


 004D7C

 E4FFFF

 003763

 00224B

 000434

 00021E

 000000

■ 46B3E9

■ 46B3E9

■ 2FABE9

■ 5DBBE9

■ 17A4E9

■ 75C2E9

■ 009CE9

■ 8CCAE9

■ A3D2E9

■ BBDAE9

■ D2E1E9

■ E9E9E9

■ FFF1E9

■ FFF8E9

Harmonies

Analogous

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



00B9D3



46B3E9



86A9ED

Triad

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



46B3E9



EC8D9F



8FB371

Complementary

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



46B3E9



E97C46

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.



B5AA62



46B3E9



E8937E

Square

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



46B3E9



DD91C3



D49E68



63B98E

Rectangle

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



46B3E9



AAA0E6



D49E68



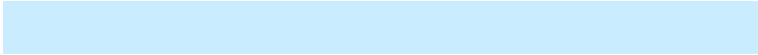
9DB16A

Sweetspot

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



46B3E9



C9EDFF



46E97A



607580



000000



808080

Same Dimension

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



46B3E9



29B8FF



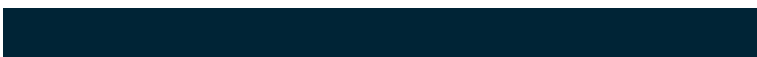
4664E9



6A7175



0079B5



002436

Inverse Universe

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



E946B3



FF29B8



E9CB46



756A71



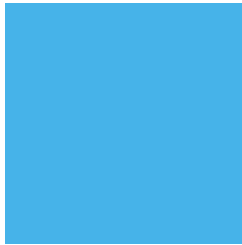
B50079



360024

Previews

White Background



This preview shows how the Hex color 46B3E9 looks on a white background.

Color Contrast Check

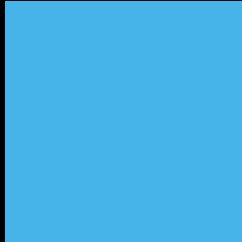
Large Text (above 18pt) WCAG AA × Fail

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 46B3E9 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

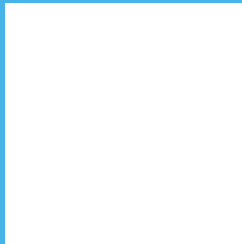
Any Text WCAG AAA ✓ Pass

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

Hex 46B3E9 Background



This preview shows how black text looks on a background with the Hex color 46B3E9.

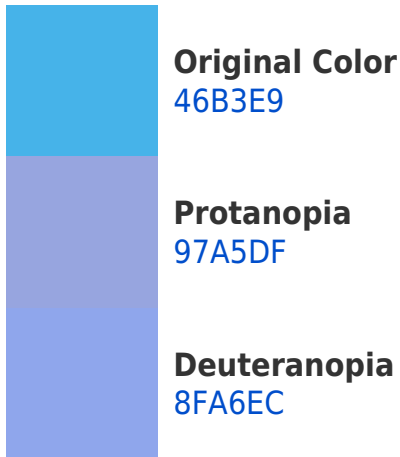


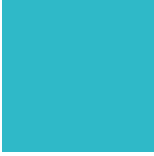
This preview shows how white text looks on a background with the Hex color 46B3E9.

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](#).

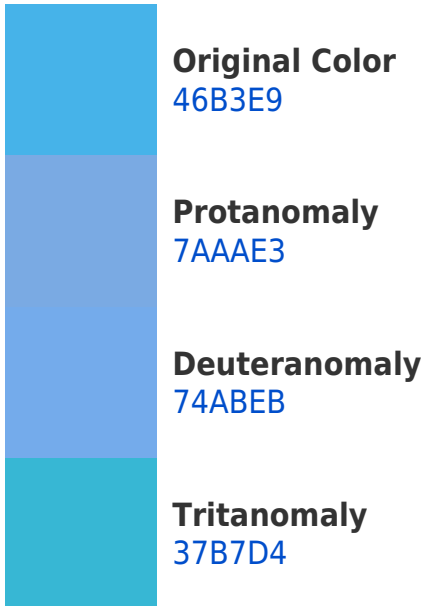
Dichromacy



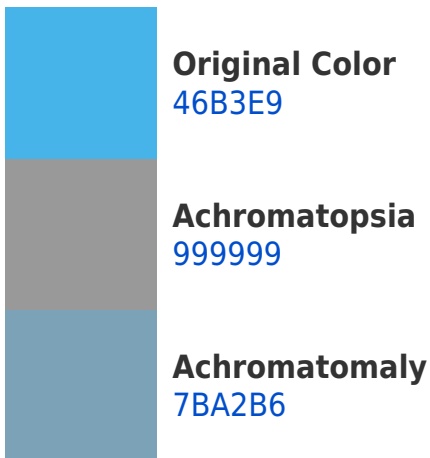


Tritanopia
2FB9C8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46B3E9 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 #46B3E9 looks like.

```
.text, #text, p{  
    color:#46B3E9  
}
```

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 #46B3E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B3E9
}
```

Border

The CSS property to change the border of an element to Hex 46B3E9 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
#46B3E9 }
```

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

```
.border{ border-color:#46B3E9 }
```

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

Here you see how a box with a 4 pixel #46B3E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B3E9; -webkit-box-shadow:4px 4px  
4px 4px #46B3E9; box-shadow:4px 4px 4px  
4px #46B3E9 }
```

Background

The CSS property to change the background color of an element to Hex 46B3E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B3E9 }
```

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

```
.background{ background-color:#46B3E9 }
```

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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