

Converting Colors

Hex(46B4E8)

Have a look what the booklet for
Hex(46B4E8) contains.

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Color

Hex(46B4E8)

Conversions

Conversions Part 1

Format	Color
Hex	46B4E8
RGB	70, 180, 232
RGB Percent	27%, 71%, 91%
CMY	0.7255, 0.2941, 0.0902
CMYK	0.70, 0.22, 0.00, 0.09
HSL	199°, 78%, 59%
HSV	199°, 70%, 91%
XYZ	33.4125, 39.7708, 82.2594
YIQ	153.0380, -82.2520, -7.1480

Conversions

Conversions Part 2

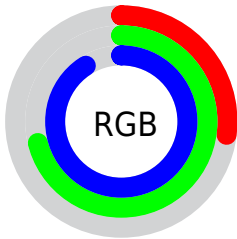
Format	Color
RYB	70, 136, 232
Decimal	4633832
CIELab	69.31, -14.82, -35.07
CIElCh	69, 38.076, 247.097
Yxy	39.7708, 0.2150, 0.2559
Android (android.graphics.Color)	4282823912 (0xFF46B4E8)
YUV	153.0380, 38.9283, -72.8243
Hunter-Lab	63.0641, -15.7895, -33.1917

Details

The Hex color **46B4E8** 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 **E87A46**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **88ECFF**, and **007FB0** is the 20% darker color. If you saturate the color by 10%, you get **2FADE8**, and if you desaturate by 10%, it is **5DBBE8**.

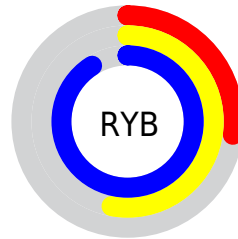
Distribution



Red (27%)

Green (71%)

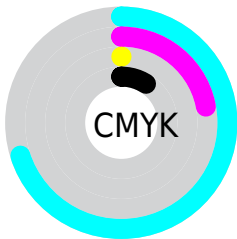
Blue (91%)



Red (27%)

Yellow (53%)

Blue (91%)

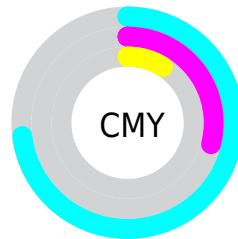


Cyan (70%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (73%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Hex color 46B4E8 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 46B4E8 by changing the saturation by 10% instead.

 46B4E8

 46B4E8

FFFFFF

 1599CC

 88ECFF

 007FB0

 A7FFFF

 006695

 C5FFFF

 004E7B

 E4FFFF

 003762

 00224A

 000433

 00021D

 000000

 46B4E8

 46B4E8

 2FADE8

 5DBBE8

 18A5E8

 74C3E8

 009EE8

 8CCAE8

 A3D2E8

 BAD9E8

 D1E1E8

 E8E8E8

 FFF0E8

 FFF7E8

Harmonies

Analogous

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



03BAD2



46B4E8



84AAED

Triad

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



46B4E8



EC8EA2



93B371

Complementary

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



46B4E8



E87A46

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.



B8AA64



46B4E8



E99381

Square

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



46B4E8



DB92C5



D69E6A



68B98D

Rectangle

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



46B4E8



A8A2E7



D69E6A



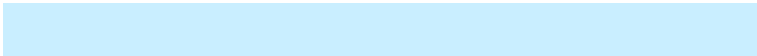
A0B16B

Sweetspot

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



46B4E8



C9EEFF



46E879



607580



000000



808080

Same Dimension

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



46B4E8



29BAFF



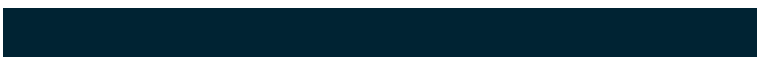
4664E8



676F73



0079B3



002333

Inverse Universe

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



E846B4



FF29BA



E8CA46



73676F



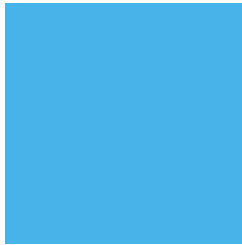
B30079



330023

Previews

White Background



This preview shows how the Hex color 46B4E8 looks on a white background.

Color Contrast Check

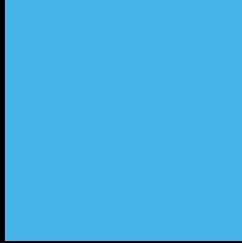
Large Text (above 18pt) WCAG AA × Fail

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 46B4E8 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

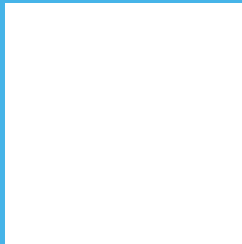
Any Text WCAG AAA ✓ Pass

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

Hex 46B4E8 Background



This preview shows how black text looks on a background with the Hex color 46B4E8.



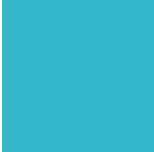
This preview shows how white text looks on a background with the Hex color 46B4E8.

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](#).

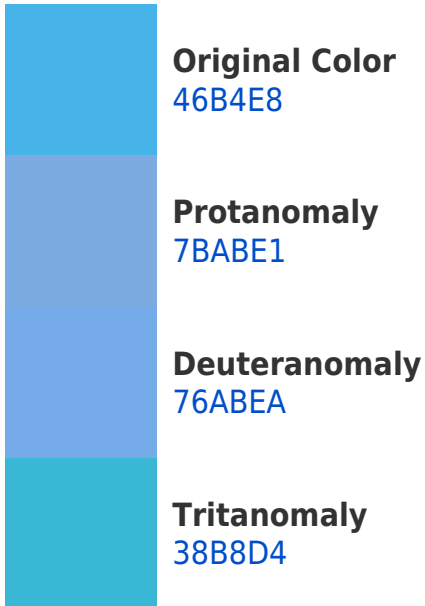
Dichromacy



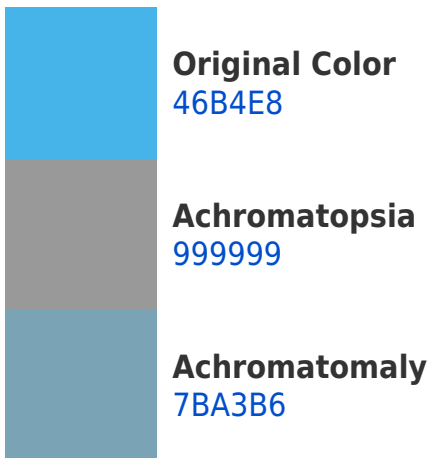


Tritanopia
30BAC9

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46B4E8 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 #46B4E8 looks like.

```
.text, #text, p{  
    color:#46B4E8  
}
```

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 #46B4E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B4E8
}
```

Border

The CSS property to change the border of an element to Hex 46B4E8 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
#46B4E8 }
```

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

```
.border{ border-color:#46B4E8 }
```

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

Here you see how a box with a 4 pixel #46B4E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B4E8; -webkit-box-shadow:4px 4px  
4px 4px #46B4E8; box-shadow:4px 4px 4px  
4px #46B4E8 }
```

Background

The CSS property to change the background color of an element to Hex 46B4E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B4E8 }
```

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

```
.background{ background-color:#46B4E8 }
```

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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