

# Converting Colors

Hex(46BEE8)

Have a look what the booklet for  
Hex(46BEE8) contains.

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# **Color**

**Hex(46BEE8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46BEE8
RGB	70, 190, 232
RGB Percent	27%, 75%, 91%
CMY	0.7255, 0.2549, 0.0902
CMYK	0.70, 0.18, 0.00, 0.09
HSL	196°, 78%, 59%
HSV	196°, 70%, 91%
XYZ	35.5047, 43.9552, 82.9568
YIQ	158.9080, -85.0020, -12.3780

# Conversions

## Conversions Part 2

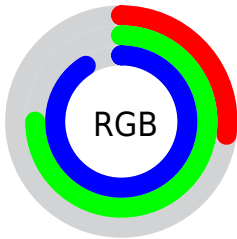
Format	Color
<a href="#">RYB</a>	<a href="#">70, 139, 232</a>
Decimal	<a href="#">4636392</a>
CIELab	<a href="#">72.20, -20.07, -30.60</a>
CIELCh	<a href="#">72, 36.595, 236.741</a>
Yxy	<a href="#">43.9552, 0.2186, 0.2706</a>
Android (android.graphics.Color)	<a href="#">4282826472 (0xFF46BEE8)</a>
YUV	<a href="#">158.9080, 36.0344, -77.9723</a>
Hunter-Lab	<a href="#">66.2987, -20.4312, -27.7780</a>

# Details

The Hex color **46BEE8** 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 **E87046**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **89F6FF**, and **0089B0** is the 20% darker color. If you saturate the color by 10%, you get **2FB8E8**, and if you desaturate by 10%, it is **5DC4E8**.

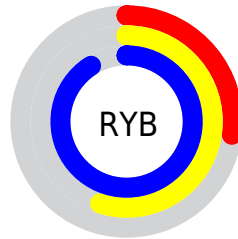
# Distribution



Red (27%)

Green (75%)

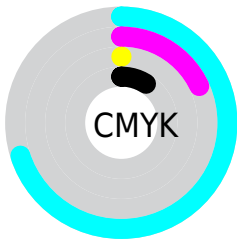
Blue (91%)



Red (27%)

Yellow (55%)

Blue (91%)

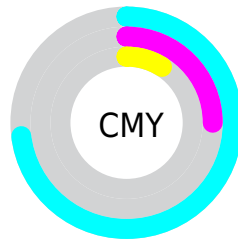


Cyan (70%)

Magenta (18%)

Yellow (0%)

Black (9%)



Cyan (73%)

Magenta (25%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46BEE8 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 46BEE8 by changing the saturation by 10% instead.



 46BEE8

 46BEE8

FFFFFF

 13A3CC

 89F6FF

 0089B0

 A7FFFF

 006F95

 C6FFFF

 00567B

 E5FFFF

 003F62

 00294A

 001234

 00021E

 000000

 46BEE8

 46BEE8

 2FB8E8

 5DC4E8

 18B2E8

 74CAE8

 00ACE8

 8CD0E8

 A3D6E8

 BADCE8

 D1E2E8

 E8E8E8

 FFE8E8

 FFF4E8

# Harmonies

## Analogous

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



33C2CE



46BEE8



7CB5F3

# Triad

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



46BEE8



EE98B6



A9B874

# Complementary

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



46BEE8



E87046

# 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.



CBAE6E



46BEE8



F29995

# Square

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



46BEE8



D89ED6



E5A27A



81BF8B

# Rectangle

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



46BEE8



A0AEF1



E5A27A



B5B570

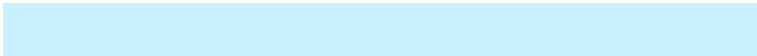


# Sweetspot

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



46BEE8



C9F1FF



46E86E



607780



000000



808080

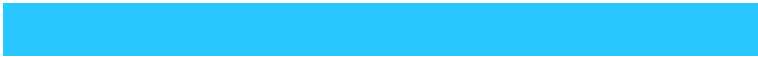


# Same Dimension

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



46BEE8



29C7FF



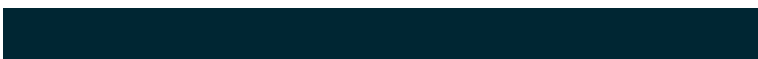
466EE8



677073



0084B3



002633



# Inverse Universe

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



E846BE



FF29C7



E8C046



736770



B30084

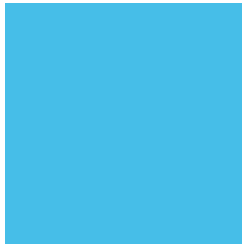


330026



# Previews

## White Background



This preview shows how the Hex color 46BEE8 looks on a white background.

## Color Contrast Check

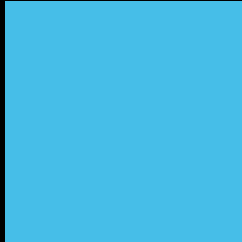
Large Text (above 18pt) WCAG AA × Fail

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 46BEE8 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 46BEE8 Background



This preview shows how black text looks on a background with the Hex color 46BEE8.

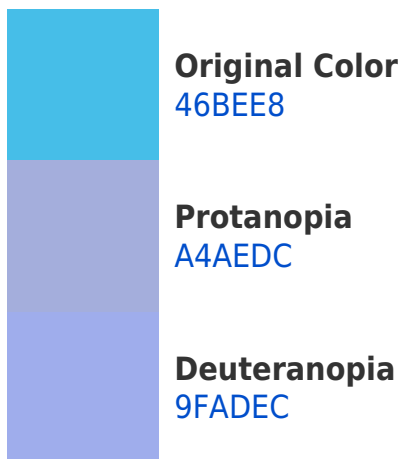


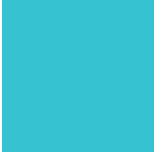
This preview shows how white text looks on a background with the Hex color 46BEE8.

# 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](#).

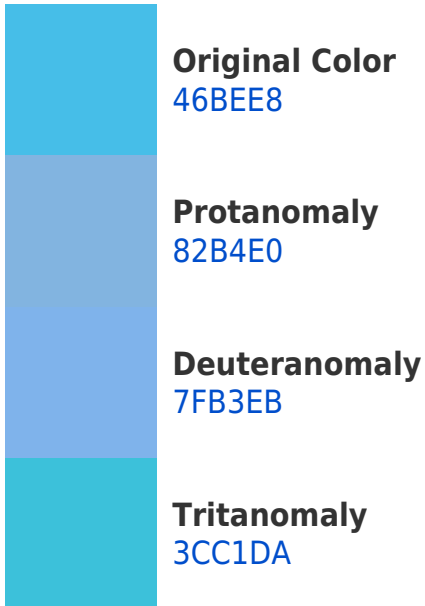
## Dichromacy



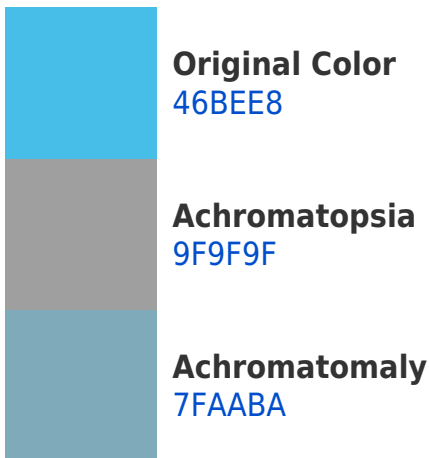


**Tritanopia**  
37C2D2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46BEE8 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 #46BEE8 looks like.

```
.text, #text, p{  
    color:#46BEE8  
}
```

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 #46BEE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46BEE8
}
```

## Border

The CSS property to change the border of an element to Hex 46BEE8 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
#46BEE8 }
```

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

```
.border{ border-color:#46BEE8 }
```

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

Here you see how a box with a 4 pixel #46BEE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46BEE8; -webkit-box-shadow:4px 4px  
4px 4px #46BEE8; box-shadow:4px 4px 4px  
4px #46BEE8 }
```

# Background

The CSS property to change the background color of an element to Hex 46BEE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46BEE8 }
```

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

```
.background{ background-color:#46BEE8 }
```

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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