

# Converting Colors

Hex(46B7EC)

Have a look what the booklet for  
Hex(46B7EC) contains.

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# **Color**

**Hex(46B7EC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46B7EC
RGB	70, 183, 236
RGB Percent	27%, 72%, 93%
CMY	0.7255, 0.2824, 0.0745
CMYK	0.70, 0.22, 0.00, 0.07
HSL	199°, 81%, 60%
HSV	199°, 70%, 93%
XYZ	34.5996, 41.2252, 85.4905
YIQ	155.2550, -84.3610, -7.4730

# Conversions

## Conversions Part 2

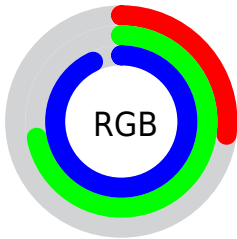
Format	Color
<a href="#">RYB</a>	<a href="#">70, 137, 236</a>
Decimal	<a href="#">4634604</a>
CIELab	<a href="#">70.33, -15.12, -35.66</a>
CIELCh	<a href="#">70, 38.729, 247.026</a>
Yxy	<a href="#">41.2252, 0.2145, 0.2556</a>
Android (android.graphics.Color)	<a href="#">4282824684 (0xFF46B7EC)</a>
YUV	<a href="#">155.2550, 39.8073, -74.7686</a>
Hunter-Lab	<a href="#">64.2068, -16.1724, -33.9990</a>

# Details

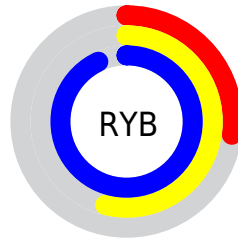
The Hex color **46B7EC** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **EC7B46**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **89EFFF**, and **0082B4** is the 20% darker color. If you saturate the color by 10%, you get **2EAFEC**, and if you desaturate by 10%, it is **5EBFEC**.

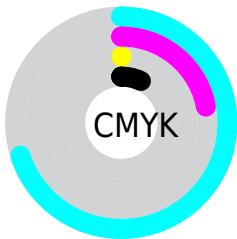
# Distribution



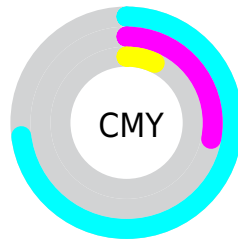
- Red (27%)
- Green (72%)
- Blue (93%)



- Red (27%)
- Yellow (54%)
- Blue (93%)



- Cyan (70%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (28%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46B7EC 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 46B7EC by changing the saturation by 10% instead.



 46B7EC

 46B7EC

FFFFFF

 139CD0

 89EFFF

 0082B4

 A8FFFF

 006999

 C6FFFF

 00517F

 E5FFFF

 003A66

 00244D

 000736

 000220

 000004

 46B7EC

 46B7EC

 2EAFEC

 5EBFEC

 17A8EC

 75C6EC

 00A1EC

 8DCEEC

 A4D5EC

 BCDDEC

 D4E4EC

 EBCEEC

 FFF3EC

 FFFBEC

# Harmonies

## Analogous

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



00BDD5



46B7EC



86ADF1

# Triad

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



46B7EC



F090A5



95B672

# Complementary

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



46B7EC



EC7B46

# 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.



BBAD65



46B7EC



ED9583

# Square

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



46B7EC



DF95C8



DAA06C



69BD8F

# Rectangle

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



46B7EC



ABA4EB



DAA06C



A2B36C

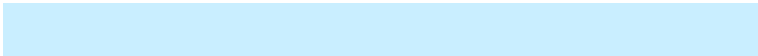


# Sweetspot

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



46B7EC



C9EEFF



46EC7B



607580



000000



808080



# Same Dimension

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



46B7EC



29BBFF



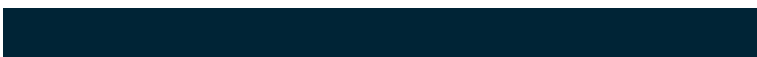
4664EC



6A7275



007BB5



002436



# Inverse Universe

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



EC46B7



FF29BB



ECCE46



756A72



B5007B

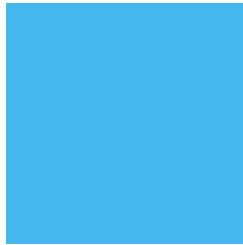


360024



# Previews

## White Background



This preview shows how the Hex color 46B7EC looks on a white background.

## Color Contrast Check

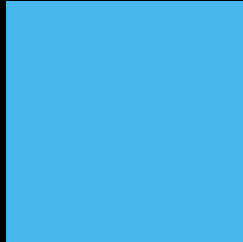
Large Text (above 18pt) WCAG AA × Fail

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 46B7EC 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

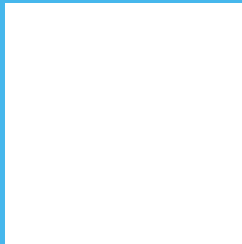
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 46B7EC Background



This preview shows how black text looks on a background with the Hex color 46B7EC.

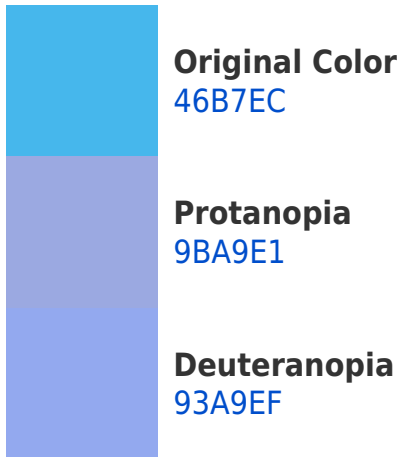


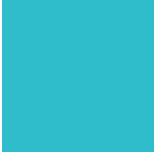
This preview shows how white text looks on a background with the Hex color 46B7EC.

# Color Blindness Simulation

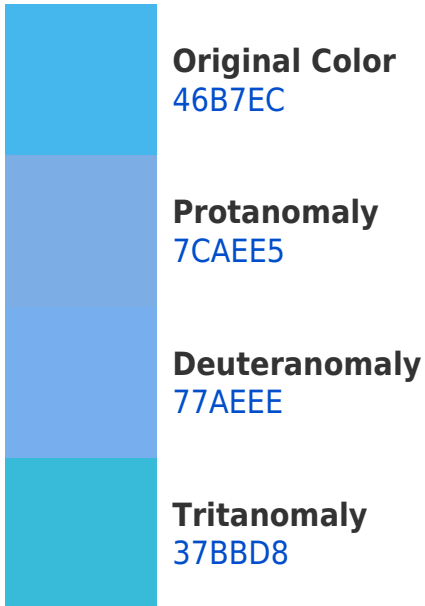
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

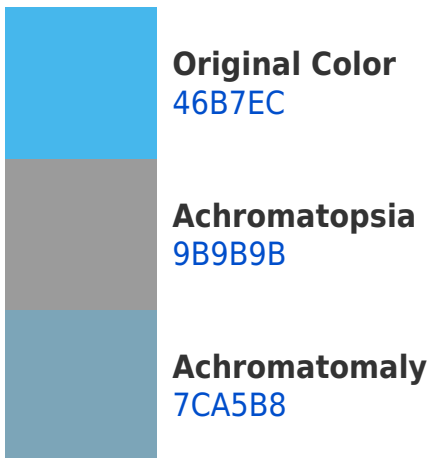




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46B7EC 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 #46B7EC looks like.

```
.text, #text, p{  
    color:#46B7EC  
}
```

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 #46B7EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B7EC  
}
```

## Border

The CSS property to change the border of an element to Hex 46B7EC 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  
#46B7EC }
```

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

```
.border{ border-color:#46B7EC }
```

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

Here you see how a box with a 4 pixel #46B7EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B7EC; -webkit-box-shadow:4px 4px  
4px 4px #46B7EC; box-shadow:4px 4px 4px  
4px #46B7EC }
```

# Background

The CSS property to change the background color of an element to Hex 46B7EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B7EC }
```

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

```
.background{ background-color:#46B7EC }
```

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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