

# Converting Colors

Hex(46E8F3)

Have a look what the booklet for  
Hex(46E8F3) contains.

<b>Hex(46E8F3)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(46E8F3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46E8F3
RGB	70, 232, 243
RGB Percent	27%, 91%, 95%
CMY	0.7255, 0.0902, 0.0471
CMYK	0.71, 0.05, 0.00, 0.05
HSL	184°, 88%, 61%
HSV	184°, 71%, 95%
XYZ	47.5601, 65.4864, 94.9275
YIQ	184.8160, -100.0830, -30.9230

# Conversions

## Conversions Part 2

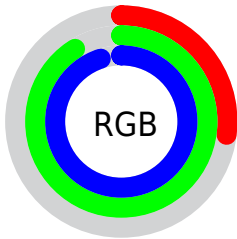
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 154, 243
Decimal	4647155
CIE <sub>Lab</sub>	84.73, -37.25, -17.38
CIE <sub>LCh</sub>	85, 41.102, 205.019
Yxy	65.4864, 0.2287, 0.3149
Android (android.graphics.Color)	4282837235 (0xFF46E8F3)
YUV	184.8160, 28.6847, -100.6936
Hunter-Lab	80.9237, -36.7092, -12.9036

# Details

The Hex color **46E8F3** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **F35146**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **8DFFFF**, and **00B0BB** is the 20% darker color. If you saturate the color by 10%, you get **2EE6F3**, and if you desaturate by 10%, it is **5EEAF3**.

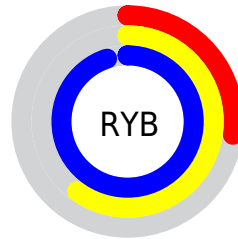
# Distribution



Red (27%)

Green (91%)

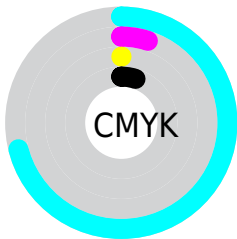
Blue (95%)



Red (27%)

Yellow (60%)

Blue (95%)

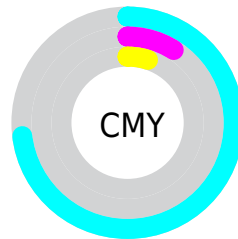


Cyan (71%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (73%)

Magenta (9%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46E8F3 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 46E8F3 by changing the saturation by 10% instead.



 46E8F3

 46E8F3


FFFFFF

 00CCD7

 8DFFFF

 00B0BB

 ADFFFF

 0095A0

 CDFFFF

 007A86

 ECFFFF

 00616C

 004854

 00313D

 001B27

 000112

 46E8F3

 46E8F3

 2EE6F3

 5EEAF3

 15E5F3

 77EBF3

 00E4F3

 8FEDF3

 A7EEF3

 BFF0F3

 D8F1F3

 F0F3F3

 FFF4F3

 FFF6F3

# Harmonies

## Analogous

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



6FE8CB



46E8F3



57E3FF

# Triad

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



46E8F3



FFBEFF



F4CF86

# Complementary

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



46E8F3



F35146

# 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.



FFC295



46E8F3



FFB6DC

# Square

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



46E8F3



CFCCFF



FFB8B5



CCDB8C

# Rectangle

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



46E8F3



7DDDFE



FFB8B5



FFCA89



# Sweetspot

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



46E8F3



C9FCFF



46F34F



607D80



000000



808080

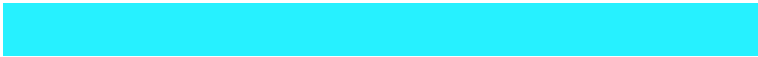


# Same Dimension

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



46E8F3



26F1FF



4694F3



6E7A7A



00AEBA



00373B



# Inverse Universe

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



F346E8



FF26F1



F3A546



7A6E7A



BA00AE

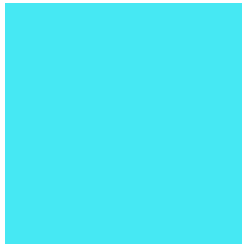


3B0037



# Previews

## White Background



This preview shows how the Hex color 46E8F3 looks on a white background.

## Color Contrast Check

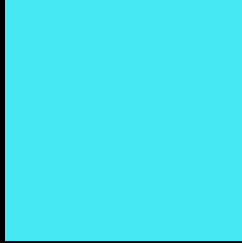
Large Text (above 18pt) WCAG AA × Fail

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 46E8F3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

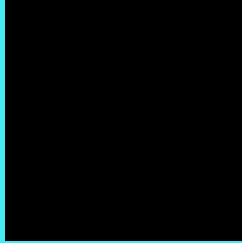
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46E8F3 Background



This preview shows how black text looks on a background with the Hex color 46E8F3.

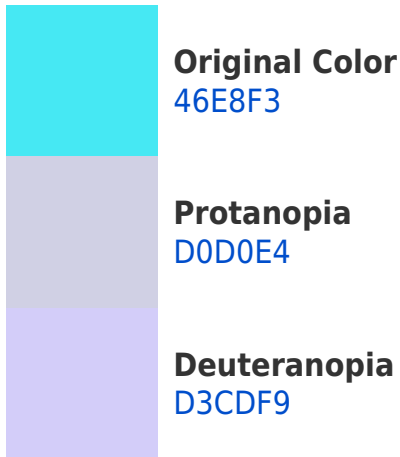


This preview shows how white text looks on a background with the Hex color 46E8F3.

# 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



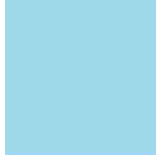


**Tritanopia**  
4AE7FA

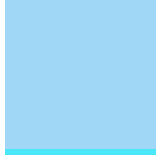
# Trichromacy



**Original Color**  
46E8F3



**Protanomaly**  
9ED9E9



**Deuteranomaly**  
A0D7F7

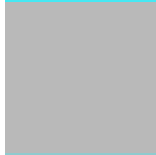


**Tritanomaly**  
49E7F7

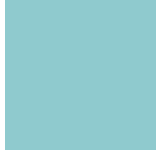
# Monochromacy



**Original Color**  
46E8F3



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
8FCACE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46E8F3 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 #46E8F3 looks like.

```
.text, #text, p{  
    color:#46E8F3  
}
```

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 #46E8F3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46E8F3
}
```

## Border

The CSS property to change the border of an element to Hex 46E8F3 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
#46E8F3 }
```

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

```
.border{ border-color:#46E8F3 }
```

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

Here you see how a box with a 4 pixel #46E8F3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46E8F3; -webkit-box-shadow:4px 4px  
4px 4px #46E8F3; box-shadow:4px 4px 4px  
4px #46E8F3 }
```

# Background

The CSS property to change the background color of an element to Hex 46E8F3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46E8F3 }
```

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

```
.background{ background-color:#46E8F3 }
```

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