

Converting Colors

Hex(45E7F3)

Have a look what the booklet for
Hex(45E7F3) contains.

Hex(45E7F3)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(45E7F3)

Conversions

Conversions Part 1

Format	Color
Hex	45E7F3
RGB	69, 231, 243
RGB Percent	27%, 91%, 95%
CMY	0.7294, 0.0941, 0.0471
CMYK	0.72, 0.05, 0.00, 0.05
HSL	184°, 88%, 61%
HSV	184°, 72%, 95%
XYZ	47.2078, 64.8881, 94.8306
YIQ	183.9300, -100.4040, -30.6120

Conversions

Conversions Part 2

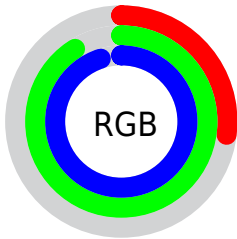
Format	Color
R _{YB}	69, 153, 243
Decimal	4581363
CIE Lab	84.43, -36.90, -17.85
CIE LCh	84, 40.991, 205.812
Yxy	64.8881, 0.2281, 0.3136
Android (android.graphics.Color)	4282771443 (0xFF45E7F3)
YUV	183.9300, 29.1215, -100.7936
Hunter-Lab	80.5532, -36.3589, -13.4115

Details

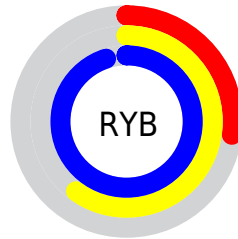
The Hex color **45E7F3** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **F35145**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **8DFFFF**, and **00AFBB** is the 20% darker color. If you saturate the color by 10%, you get **2DE5F3**, and if you desaturate by 10%, it is **5DE9F3**.

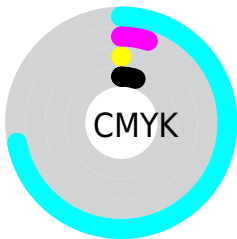
Distribution



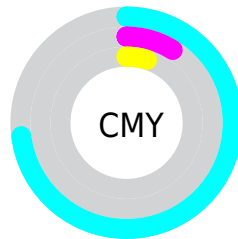
- Red (27%)
- Green (91%)
- Blue (95%)



- Red (27%)
- Yellow (60%)
- Blue (95%)



- Cyan (72%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (73%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45E7F3 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 45E7F3 by changing the saturation by 10% instead.

 45E7F3

 45E7F3


FFFFFF

 00CBD7

 8DFFFF

 00AFBB

 ADFFFF

 0094A0

 CCFFFF

 007A86

 ECFFFF

 00606C

 004854

 00303D

 001A27

 000112

 45E7F3

 45E7F3

 2DE5F3

 5DE9F3

 14E4F3

 76EAF3

 00E2F3

 8EECF3

 A6EEF3

 BEEFF3

 D7F1F3

 EFF3F3

 FFF4F3

 FFF6F3

Harmonies

Analogous

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



6DE7CC



45E7F3



57E2FF

Triad

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



45E7F3



FFBDFD



F2CE85

Complementary

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



45E7F3



F35145

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.



FFC194



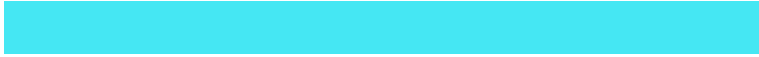
45E7F3



FFB5DA

Square

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



45E7F3



D0CBFF



FFB7B3



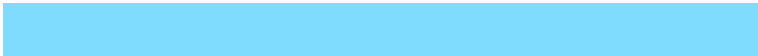
CADB8C

Rectangle

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



45E7F3



7FDCFF



FFB7B3



FDCA88

Sweetspot

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



45E7F3



C9FBFF



45F351



607D80



000000



808080

Same Dimension

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



45E7F3



24F0FF



4590F3



6E7A7A



00ADBA



00373B

Inverse Universe

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



F345E7



FF24F0



F3A845



7A6E7A



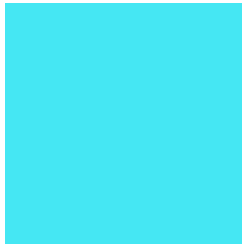
BA00AD



3B0037

Previews

White Background



This preview shows how the Hex color 45E7F3 looks on a white background.

Color Contrast Check

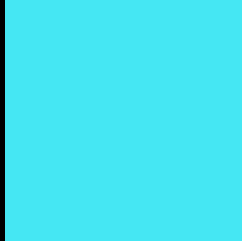
Large Text (above 18pt) WCAG AA × Fail

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 45E7F3 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

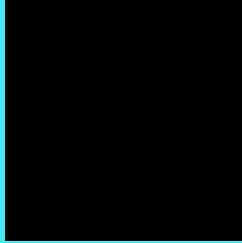
Any Text WCAG AA ✓ Pass

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 45E7F3 Background



This preview shows how black text looks on a background with the Hex color 45E7F3.

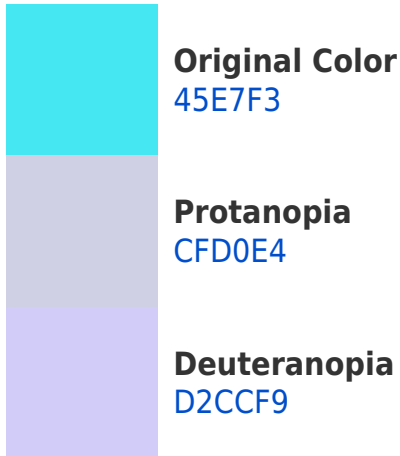


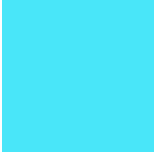
This preview shows how white text looks on a background with the Hex color 45E7F3.

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



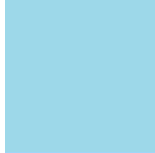


Tritanopia
49E6F9

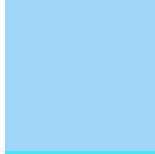
Trichromacy



Original Color
45E7F3



Protanomaly
9DD8E9



Deuteranomaly
9FD6F7

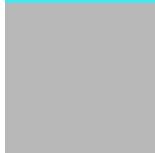


Tritanomaly
48E6F7

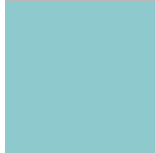
Monochromacy



Original Color
45E7F3



Achromatopsia
B8B8B8



Achromatomaly
8EC9CD

CSS Examples

Text

The CSS property to change the color of the text to Hex 45E7F3 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 #45E7F3 looks like.

```
.text, #text, p{  
    color:#45E7F3  
}
```

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 #45E7F3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45E7F3
}
```

Border

The CSS property to change the border of an element to Hex 45E7F3 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
#45E7F3 }
```

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

```
.border{ border-color:#45E7F3 }
```

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

Here you see how a box with a 4 pixel #45E7F3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45E7F3; -webkit-box-shadow:4px 4px  
4px 4px #45E7F3; box-shadow:4px 4px 4px  
4px #45E7F3 }
```

Background

The CSS property to change the background color of an element to Hex 45E7F3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45E7F3 }
```

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

```
.background{ background-color:#45E7F3 }
```

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