

# Converting Colors

Hex(3E87E7)

Have a look what the booklet for  
Hex(3E87E7) contains.

<b>Hex(3E87E7)</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(3E87E7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3E87E7
RGB	62, 135, 231
RGB Percent	24%, 53%, 91%
CMY	0.7569, 0.4706, 0.0941
CMYK	0.73, 0.42, 0.00, 0.09
HSL	214°, 78%, 57%
HSV	214°, 73%, 91%
XYZ	25.0744, 24.1216, 78.9357
YIQ	124.1170, -74.3240, 14.3800

# Conversions

## Conversions Part 2

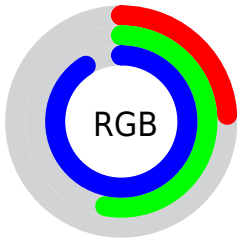
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	62, 113, 231
Decimal	4098023
CIE Lab	56.21, 9.43, -55.17
CIE LCh	56, 55.968, 279.699
Yxy	24.1216, 0.1957, 0.1883
Android (android.graphics.Color)	4282288103 (0xFF3E87E7)
YUV	124.1170, 52.6933, -54.4766
Hunter-Lab	49.1137, 5.1818, -60.9113

# Details

The Hex color **3E87E7** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **E79E3E**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **81BCFF**, and **0056AF** is the 20% darker color. If you saturate the color by 10%, you get **277AE7**, and if you desaturate by 10%, it is **5594E7**.

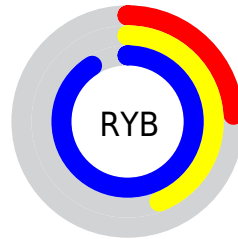
# Distribution



Red (24%)

Green (53%)

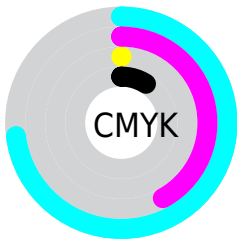
Blue (91%)



Red (24%)

Yellow (44%)

Blue (91%)

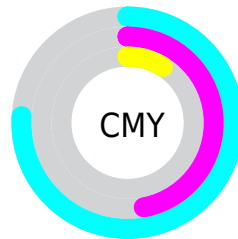


Cyan (73%)

Magenta (42%)

Yellow (0%)

Black (9%)



Cyan (76%)

Magenta (47%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3E87E7 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 3E87E7 by changing the saturation by 10% instead.



■ 3E87E7

■ 3E87E7

FFFFFF

■ 006ECB

■ 81BCFF

■ 0056AF

■ A0D7FF

■ 004094

■ BFF4FF

■ 002B79

■ DDDFFF

■ 001860

■ FCFFFF

■ 000847

■ 000430

■ 00011A

■ 000000

■ 3E87E7

■ 3E87E7

■ 277AE7

■ 5594E7

■ 106DE7

■ 6CA1E7

■ 0064E7

■ 83AEE7

■ 9ABBE7

■ B2C9E7

■ C9D6E7

■ E0E3E7

■ F7F0E7

■ FFFDE7

# Harmonies

## Analogous

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



0095E2



3E87E7



9D73D2

# Triad

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



3E87E7



D7644B



009C63

# Complementary

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



3E87E7



E79E3E

# 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.



5C9536



3E87E7



BB7826

# Square

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



3E87E7



DF5879



91891A



009E96

# Rectangle

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



3E87E7



C165B9



91891A



239A53

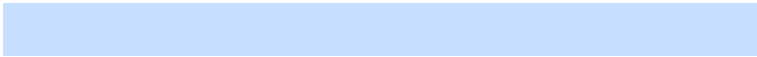


# Sweetspot

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



3E87E7



C7DFFF



3EE79E



5E6D80



000000



808080



# Same Dimension

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



3E87E7



1F80FF



493EE7



676C73



004DB3



001633



# Inverse Universe

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



E73E87



FF1F80



DCE73E



73676C



B3004D

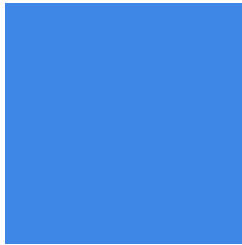


330016



# Previews

## White Background



This preview shows how the Hex color 3E87E7 looks on a white background.

## Color Contrast Check

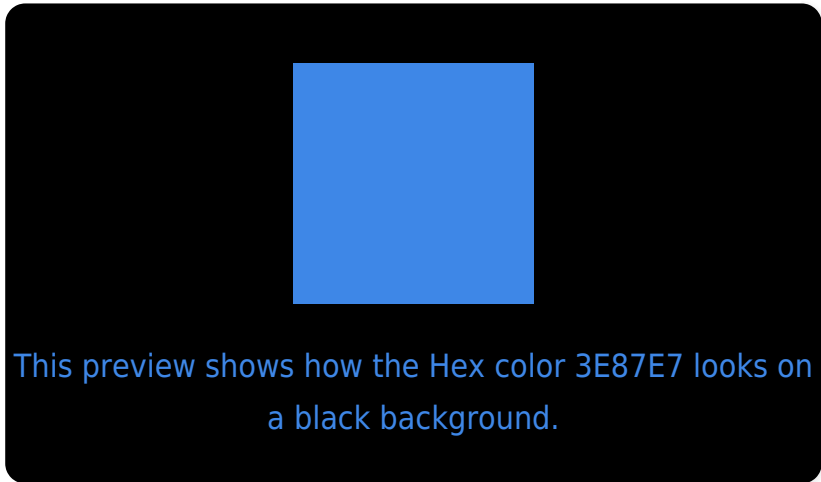
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 × Fail

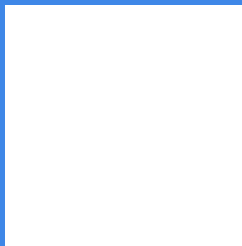
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3E87E7 Background



This preview shows how black text looks on a background with the Hex color 3E87E7.

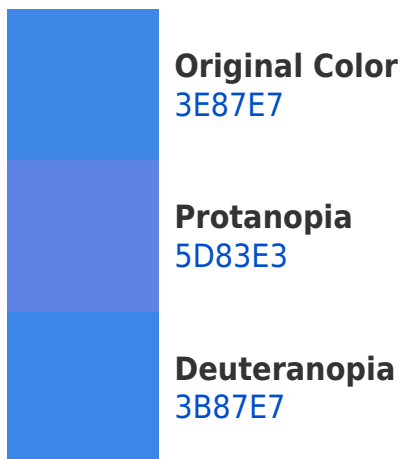


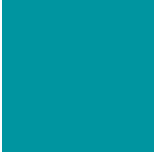
This preview shows how white text looks on a background with the Hex color 3E87E7.

# 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](#).

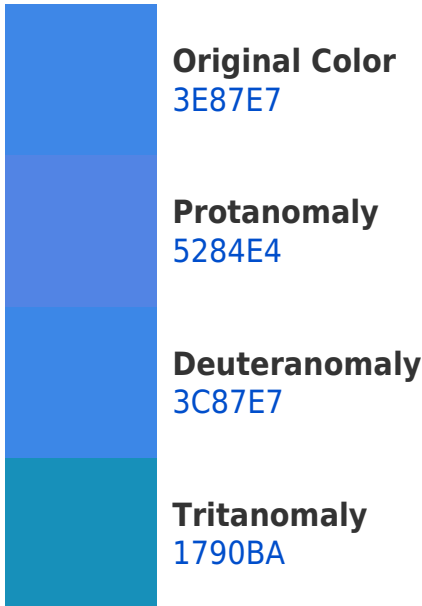
## Dichromacy





**Tritanopia**  
0095A0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3E87E7 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 #3E87E7 looks like.

```
.text, #text, p{  
    color:#3E87E7  
}
```

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 #3E87E7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3E87E7
}
```

## Border

The CSS property to change the border of an element to Hex 3E87E7 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
#3E87E7 }
```

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

```
.border{ border-color:#3E87E7 }
```

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

Here you see how a box with a 4 pixel #3E87E7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3E87E7; -webkit-box-shadow:4px 4px  
4px 4px #3E87E7; box-shadow:4px 4px 4px  
4px #3E87E7 }
```

# Background

The CSS property to change the background color of an element to Hex 3E87E7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3E87E7 }
```

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

```
.background{ background-color:#3E87E7 }
```

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