

# Converting Colors

Hex(2E7FAE)

Have a look what the booklet for  
Hex(2E7FAE) contains.

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# Color

Hex(2E7FAE)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E7FAE
RGB	46, 127, 174
RGB Percent	18%, 50%, 68%
CMY	0.8196, 0.5020, 0.3176
CMYK	0.74, 0.27, 0.00, 0.32
HSL	202°, 58%, 43%
HSV	202°, 74%, 68%
XYZ	16.3561, 18.8156, 42.8141
YIQ	108.1390, -63.3630, -2.5550

# Conversions

## Conversions Part 2

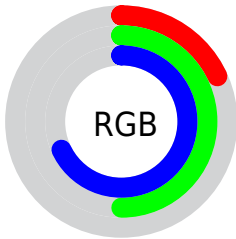
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 96, 174
Decimal	3047342
CIELab	50.47, -8.40, -31.92
CIELCh	50, 33.005, 255.253
Yxy	18.8156, 0.2097, 0.2413
Android (android.graphics.Color)	4281237422 (0xFF2E7FAE)
YUV	108.1390, 32.4695, -54.4959
Hunter-Lab	43.3769, -8.6029, -28.1569

# Details

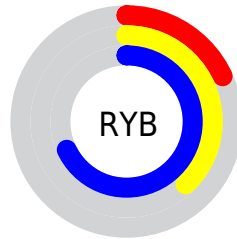
The Hex color **2E7FAE** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **AE5D2E**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **6DB4E6**, and **004E79** is the 20% darker color. If you saturate the color by 10%, you get **1D79AE**, and if you desaturate by 10%, it is **3F85AE**.

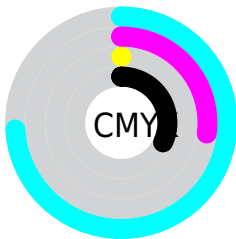
# Distribution



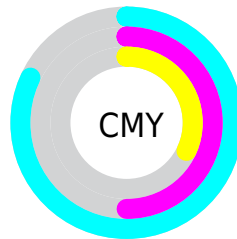
- Red (18%)
- Green (50%)
- Blue (68%)



- Red (18%)
- Yellow (38%)
- Blue (68%)



- Cyan (74%)
- Magenta (27%)
- Yellow (0%)
- Black (32%)



- Cyan (82%)
- Magenta (50%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7FAE 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 2E7FAE by changing the saturation by 10% instead.



■ 2E7FAE

■ 2E7FAE

FFFFFF

■ 006693

■ 6DB4E6

■ 004E79

■ 8ACFFF

■ 003760

■ A7EBFF

■ 002248

■ C4FFFF

■ 000732

■ E2FFFF

■ 00011C

■ 000000

■ 2E7FAE

■ 2E7FAE

■ 1D79AE

■ 3F85AE

■ 0B72AE

■ 518CAE

■ 006EAE

■ 6292AE

■ 7499AE

■ 859FAE

■ 96A5AE

■ A8ACAE

■ B9B2AE

■ CBB9AE

# Harmonies

## Analogous

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



00859F



2E7FAE



6576AE

# Triad

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



2E7FAE



AE626B



5C824F

# Complementary

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



2E7FAE



AE5D2E

# 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.



7C7B41



2E7FAE



A86851

# Square

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



2E7FAE



A66387



967242



358669

# Rectangle

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



2E7FAE



816FA6



967242



678049



# Sweetspot

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



2E7FAE



B1D1E3



2EAE5D



556873



F2F2F2



737373



# Same Dimension

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



2E7FAE



1B9AE3



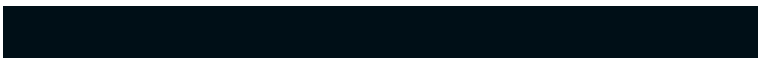
2E3FAE



4E5457



005F96



000F17



# Inverse Universe

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



AE2E7F



E31B9A



AE9D2E



574E54



96005F



17000F



# Previews

## White Background



This preview shows how the Hex color 2E7FAE looks on a white background.

## Color Contrast Check

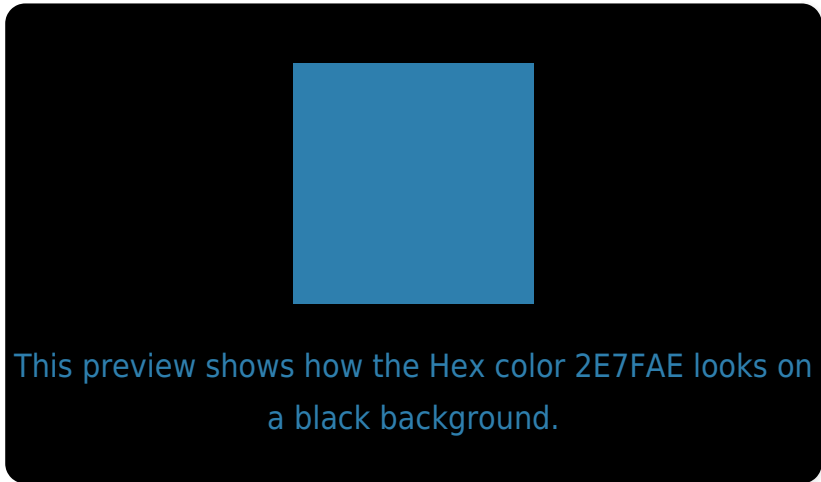
Large Text (above 18pt) WCAG AA ✓ Pass

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

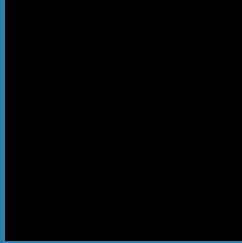
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E7FAE Background



This preview shows how black text looks on a background with the Hex color 2E7FAE.

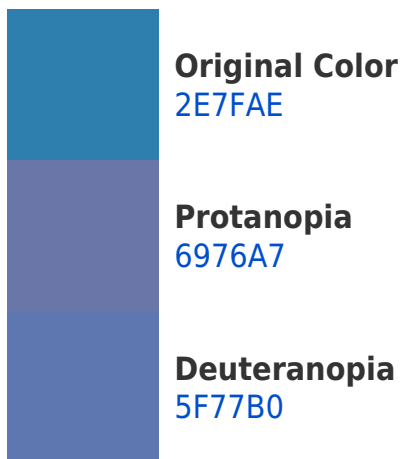


This preview shows how white text looks on a background with the Hex color 2E7FAE.

# 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](#).

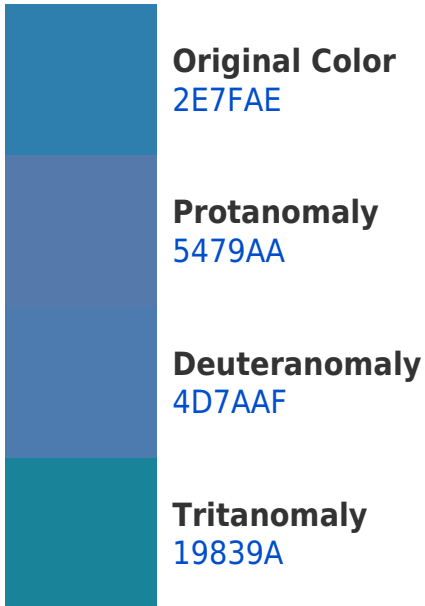
## Dichromacy



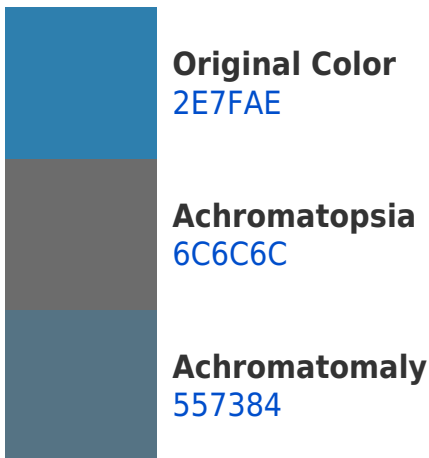


**Tritanopia**  
0D858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7FAE 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 #2E7FAE looks like.

```
.text, #text, p{  
    color:#2E7FAE  
}
```

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 #2E7FAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7FAE
}
```

## Border

The CSS property to change the border of an element to Hex 2E7FAE 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
#2E7FAE }
```

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

```
.border{ border-color:#2E7FAE }
```

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

Here you see how a box with a 4 pixel #2E7FAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7FAE; -webkit-box-shadow:4px 4px  
4px 4px #2E7FAE; box-shadow:4px 4px 4px  
4px #2E7FAE }
```

# Background

The CSS property to change the background color of an element to Hex 2E7FAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7FAE }
```

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

```
.background{ background-color:#2E7FAE }
```

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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