

# Converting Colors

Hex(729AEE)

Have a look what the booklet for  
Hex(729AEE) contains.

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# **Color**

**Hex(729AEE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	729AEE
RGB	114, 154, 238
RGB Percent	45%, 60%, 93%
CMY	0.5529, 0.3961, 0.0667
CMYK	0.52, 0.35, 0.00, 0.07
HSL	221°, 78%, 69%
HSV	221°, 52%, 93%
XYZ	33.9276, 32.8617, 85.4437
YIQ	151.6160, -50.8040, 17.6440

# Conversions

## Conversions Part 2

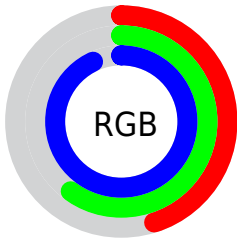
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">114, 144, 238</a>
Decimal	<a href="#">7510766</a>
CIELab	<a href="#">64.05, 9.65, -46.46</a>
CIELCh	<a href="#">64, 47.450, 281.730</a>
Yxy	<a href="#">32.8617, 0.2229, 0.2159</a>
Android (android.graphics.Color)	<a href="#">4285700846 (0xFF729AEE)</a>
YUV	<a href="#">151.6160, 42.5873, -32.9892</a>
Hunter-Lab	<a href="#">57.3251, 5.3257, -48.2448</a>

# Details

The Hex color **729AEE** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **EEC672**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **ACD0FF**, and **3467B6** is the 20% darker color. If you saturate the color by 10%, you get **5A8AEE**, and if you desaturate by 10%, it is **8AAAEE**.

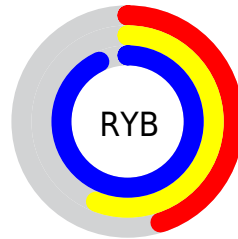
# Distribution



Red (45%)

Green (60%)

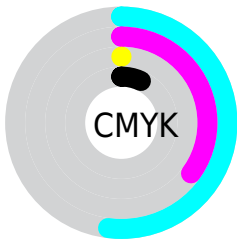
Blue (93%)



Red (45%)

Yellow (56%)

Blue (93%)

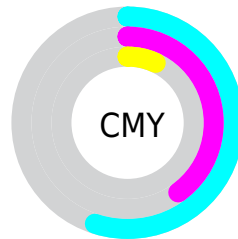


Cyan (52%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (55%)

Magenta (40%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 729AEE 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 729AEE by changing the saturation by 10% instead.



 729AEE

 729AEE

FFFFFF

 5480D1

 ACD0FF

 3467B6

 C9ECFF

 00509A

 E7FFFF

 003980

 002566

 00104E

 000536

 000220

 000004

■ 729AEE

■ 729AEE

■ 5A8AEE

■ 8AAAEE

■ 427AEE

■ A2BAEE

■ 2B6AEE

■ B9CAEE

■ 135AEE

■ D1DAEE

■ 004DEE

■ E9EBEE

■ FFFBEE

■ FFFFEE

# Harmonies

## Analogous

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



00A7EB



729AEE



B48ADB

# Triad

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



729AEE



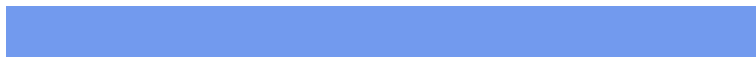
E38065



33AF7F

# Complementary

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



729AEE



EEC672

# 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.



76A95A



729AEE



CA904A

# Square

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



729AEE



EB788C



A49E45



00B1AB

# Rectangle

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



729AEE



D17FC4



A49E45



4FAD71



# Sweetspot

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



729AEE



D6E3FF



72EEC5



676F80



000000



808080



# Same Dimension

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



729AEE



5E92FF



8772EE



6C7078



003BB8



001238



# Inverse Universe

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



EE729A



FF5E92



D9EE72



786C70



B8003B

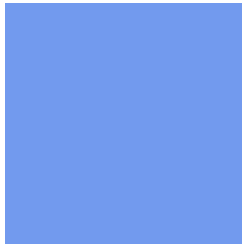


380012



# Previews

## White Background



This preview shows how the Hex color 729AEE looks on a white background.

## Color Contrast Check

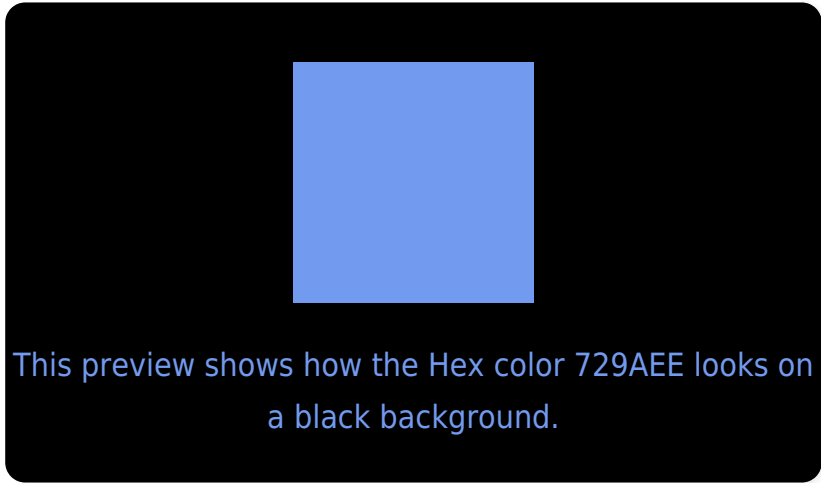
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

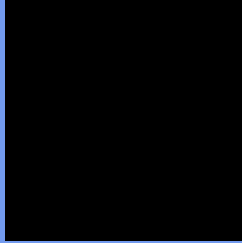
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

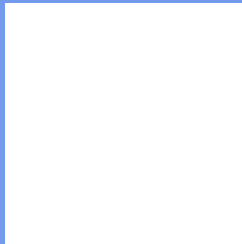
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 729AEE Background



This preview shows how black text looks on a background with the Hex color 729AEE.



This preview shows how white text looks on a background with the Hex color 729AEE.

# 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](#).

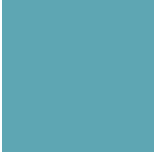
## Dichromacy



**Original Color**  
729AEE

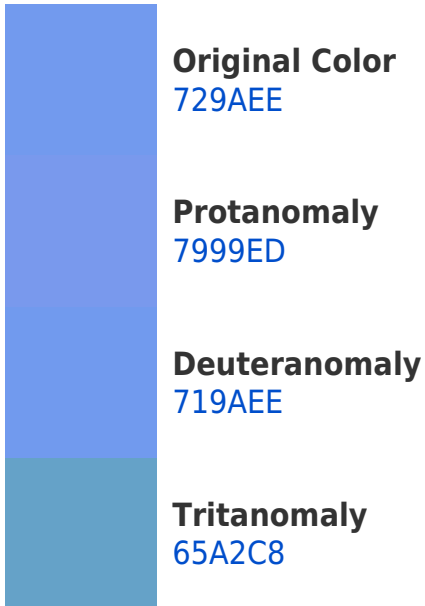
**Protanopia**  
7D98EC

**Deuteranopia**  
719AEE

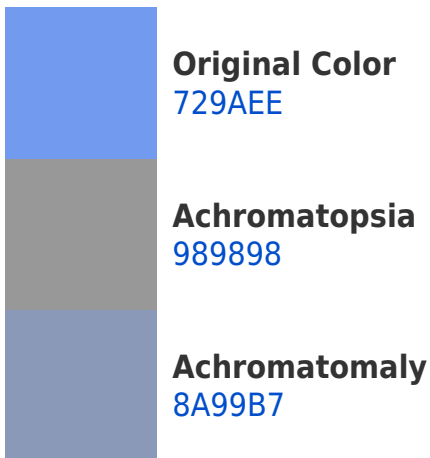


**Tritanopia**  
5EA6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 729AEE 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 #729AEE looks like.

```
.text, #text, p{  
    color:#729AEE  
}
```

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 #729AEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #729AEE
}
```

## Border

The CSS property to change the border of an element to Hex 729AEE 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
#729AEE }
```

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

```
.border{ border-color:#729AEE }
```

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

Here you see how a box with a 4 pixel #729AEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #729AEE; -webkit-box-shadow:4px 4px  
4px 4px #729AEE; box-shadow:4px 4px 4px  
4px #729AEE }
```

# Background

The CSS property to change the background color of an element to Hex 729AEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#729AEE }
```

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

```
.background{ background-color:#729AEE }
```

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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