

# Converting Colors

Hex(829AEF)

Have a look what the booklet for  
Hex(829AEF) contains.

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# Color

**Hex(829AEF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	829AEF
RGB	130, 154, 239
RGB Percent	51%, 60%, 94%
CMY	0.4902, 0.3961, 0.0627
CMYK	0.46, 0.36, 0.00, 0.06
HSL	227°, 77%, 72%
HSV	227°, 46%, 94%
XYZ	36.3415, 34.0890, 86.3258
YIQ	156.5140, -41.5890, 21.3470

# Conversions

## Conversions Part 2

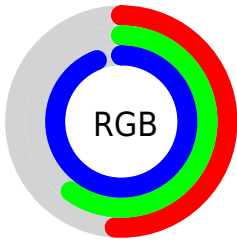
Format	Color
R <sub>Y</sub> B	130, 150, 239
Decimal	8559343
CIE Lab	65.03, 13.62, -45.39
CIE LCh	65, 47.395, 286.704
Yxy	34.0890, 0.2318, 0.2175
Android (android.graphics.Color)	4286749423 (0xFF829AEF)
YUV	156.5140, 40.6656, -23.2528
Hunter-Lab	58.3858, 8.9299, -46.7926

# Details

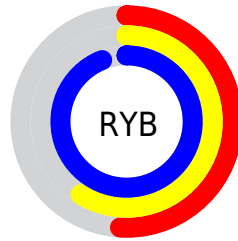
The Hex color **829AEF** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **EFD782**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **BBD0FF**, and **4967B7** is the 20% darker color. If you saturate the color by 10%, you get **6A87EF**, and if you desaturate by 10%, it is **9AADEF**.

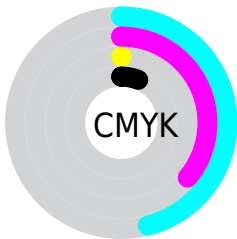
# Distribution



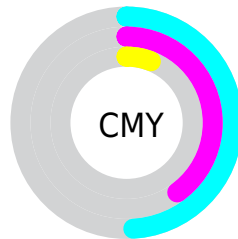
- Red (51%)
- Green (60%)
- Blue (94%)



- Red (51%)
- Yellow (59%)
- Blue (94%)



- Cyan (46%)
- Magenta (36%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (40%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 829AEF 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 829AEF by changing the saturation by 10% instead.



 829AEF

 829AEF

FFFFFF

 6680D2

 BBD0FF

 4967B7

 D8ECFF

 29509B

 F6FFFF

 003981

 002467

 00104F

 000537

 000221

 000006

■ 829AEF

■ 829AEF

■ 6A87EF

■ 9AADEF

■ 5275EF

■ B2BFEF

■ 3A62EF

■ CAD2EF

■ 224FEF

■ E2E5EF

■ 0A3DEF

■ F9F7EF

■ 0035EF

■ FFFFEF

# Harmonies

## Analogous

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



00A8F0



829AEF



BF89D8

# Triad

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



829AEF



E38562



24B289

# Complementary

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



829AEF



EFD782

# 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.



70AD62



829AEF



C7954A

# Square

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



829AEF



EE7B88



A0A349



00B3B5

# Rectangle

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



829AEF



DA80C0



A0A349



45B17B



# Sweetspot

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



829AEF



DBE3FF



82EFD6



6A6F80



000000



808080



# Same Dimension

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



829AEF



7392FF



9F82EF



6C6F78



0028B8



000C38



# Inverse Universe

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



EF829A



FF7392



D2EF82



786C6F



B80028

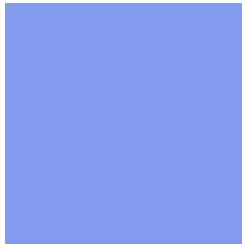


38000C



# Previews

## White Background



This preview shows how the Hex color 829AEF looks on a white background.

## Color Contrast Check

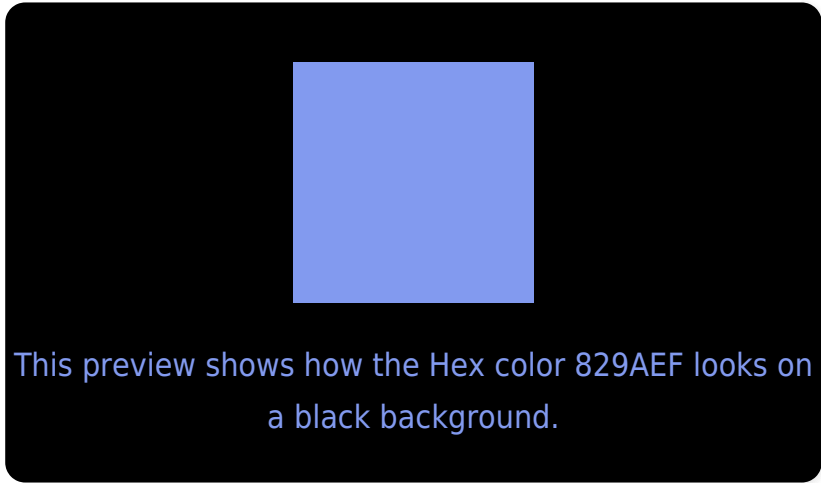
Large Text (above 18pt) WCAG AA × Fail

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 829AEF Background



This preview shows how black text looks on a background with the Hex color 829AEF.



This preview shows how white text looks on a background with the Hex color 829AEF.

# 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](#).

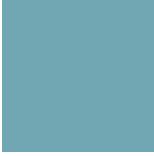
## Dichromacy



**Original Color**  
829AEF

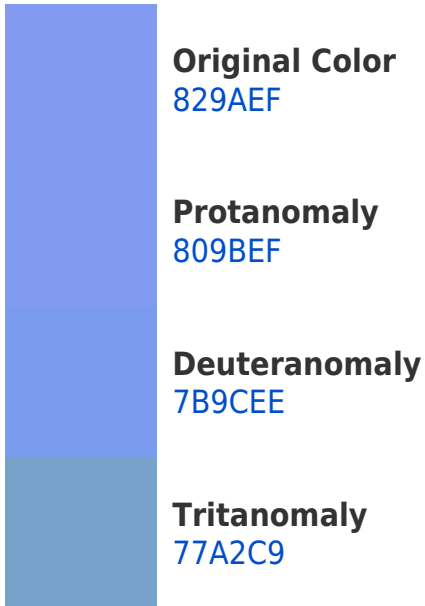
**Protanopia**  
7F9BEF

**Deuteranopia**  
779DEE

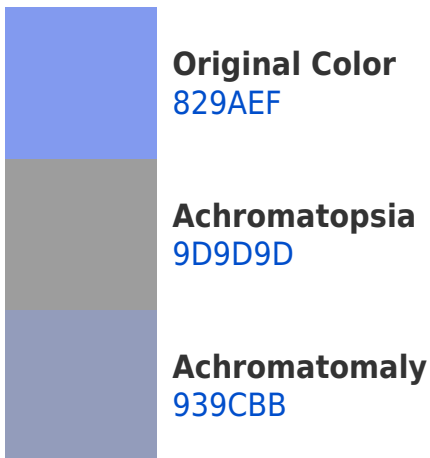


**Tritanopia**  
71A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 829AEF 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 #829AEF looks like.

```
.text, #text, p{  
    color:#829AEF  
}
```

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 #829AEF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #829AEF
}
```

## Border

The CSS property to change the border of an element to Hex 829AEF 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
#829AEF }
```

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

```
.border{ border-color:#829AEF }
```

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

Here you see how a box with a 4 pixel #829AEF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #829AEF; -webkit-box-shadow:4px 4px  
4px 4px #829AEF; box-shadow:4px 4px 4px  
4px #829AEF }
```

# Background

The CSS property to change the background color of an element to Hex 829AEF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#829AEF }
```

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

```
.background{ background-color:#829AEF }
```

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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