

# Converting Colors

Hex(828CE1)

Have a look what the booklet for  
Hex(828CE1) contains.

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# Color

**Hex(828CE1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	828CE1
RGB	130, 140, 225
RGB Percent	51%, 55%, 88%
CMY	0.4902, 0.4510, 0.1176
CMYK	0.42, 0.38, 0.00, 0.12
HSL	234°, 61%, 70%
HSV	234°, 42%, 88%
XYZ	32.1746, 28.9382, 75.1240
YIQ	146.7000, -33.2450, 24.3150

# Conversions

## Conversions Part 2

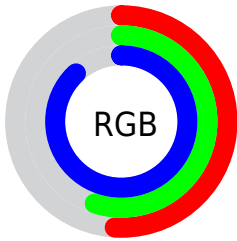
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	130, 139, 225
Decimal	8555745
CIE Lab	60.73, 17.75, -44.44
CIE LCh	61, 47.852, 291.769
Yxy	28.9382, 0.2362, 0.2124
Android (android.graphics.Color)	4286745825 (0xFF828CE1)
YUV	146.7000, 38.6019, -14.6459
Hunter-Lab	53.7943, 12.6217, -45.1428

# Details

The Hex color **828CE1** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **E1D782**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **BAC1FF**, and **4A5AA9** is the 20% darker color. If you saturate the color by 10%, you get **6B78E1**, and if you desaturate by 10%, it is **99A0E1**.

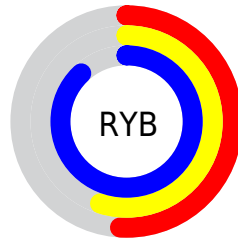
# Distribution



Red (51%)

Green (55%)

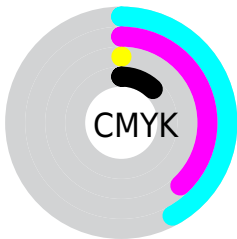
Blue (88%)



Red (51%)

Yellow (55%)

Blue (88%)

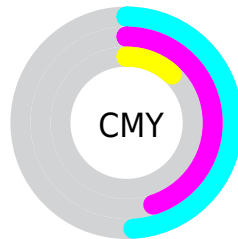


Cyan (42%)

Magenta (38%)

Yellow (0%)

Black (12%)



Cyan (49%)

Magenta (45%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 828CE1 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 828CE1 by changing the saturation by 10% instead.



828CE1

828CE1

FFFFFF

6673C5

BAC1FF

4A5AA9

D7DDFF

2D438E

F5FAFF

022D74

00195B

000043

00032C

000116

000000

828CE1

828CE1

6B78E1

99A0E1

5564E1

AFB4E1

3E50E1

C5C8E1

283BE1

DCDDE1

1127E1

F3F1E1

0018E1

FFFFE1

# Harmonies

## Analogous

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



009AE6



828CE1



BB7BC7

# Triad

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



828CE1



D37C51



00A785

# Complementary

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



828CE1



E1D782

# 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.



5AA25C



828CE1



B58C3C

# Square

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



828CE1



E17075



8D9940



00A8B0

# Rectangle

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



828CE1



D372AE



8D9940



24A677



# Sweetspot

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



828CE1



DEE1FF



82E1D6



6B6D80



000000



808080



# Same Dimension

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



828CE1



7D8BFF



A682E1



656670



0013B0



000530



# Inverse Universe

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



E1828C



FF7D8B



BDE182



706566



B00013

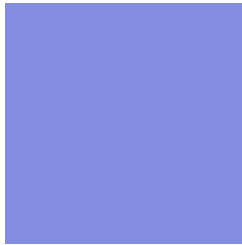


300005



# Previews

## White Background



This preview shows how the Hex color 828CE1 looks on a white background.

## Color Contrast Check

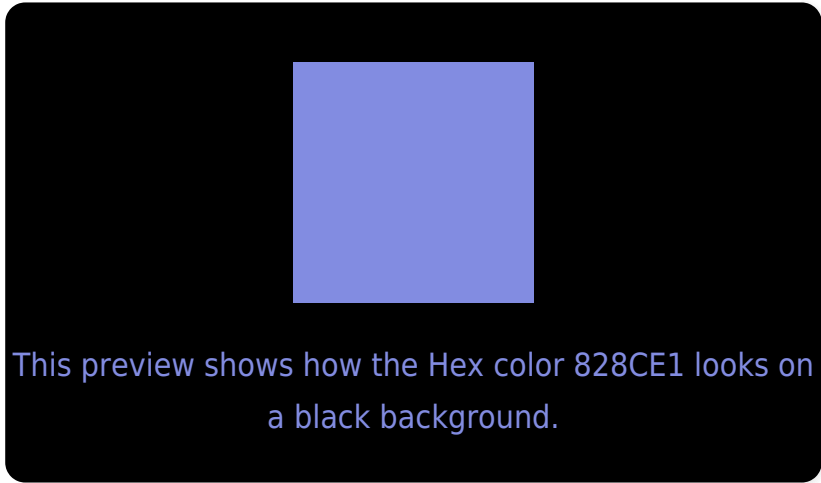
Large Text (above 18pt) WCAG AA ✓ Pass

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

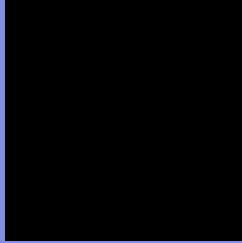
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 828CE1 Background



This preview shows how black text looks on a background with the Hex color 828CE1.



This preview shows how white text looks on a background with the Hex color 828CE1.

# 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](#).

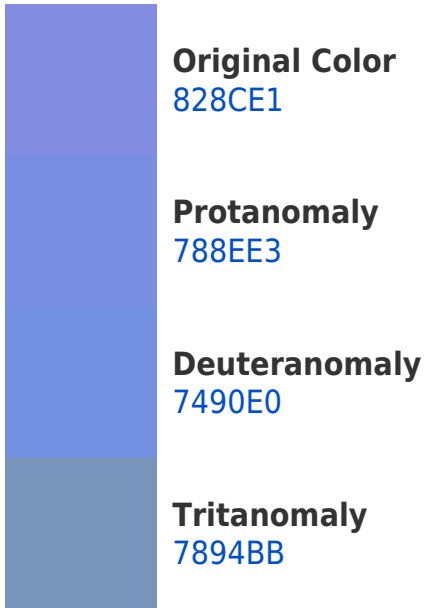
## Dichromacy



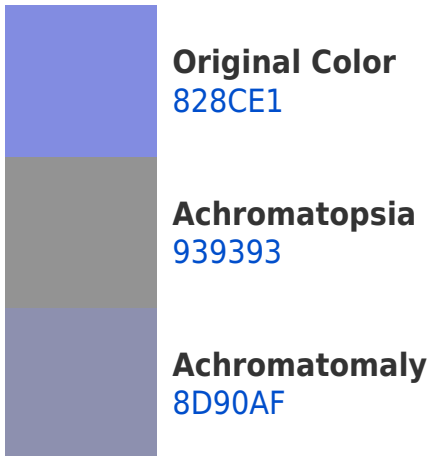


**Tritanopia**  
7299A5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 828CE1 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 #828CE1 looks like.

```
.text, #text, p{  
    color:#828CE1  
}
```

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 #828CE1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #828CE1  
}
```

## Border

The CSS property to change the border of an element to Hex 828CE1 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  
#828CE1 }
```

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

```
.border{ border-color:#828CE1 }
```

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

Here you see how a box with a 4 pixel #828CE1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #828CE1; -webkit-box-shadow:4px 4px  
4px 4px #828CE1; box-shadow:4px 4px 4px  
4px #828CE1 }
```

# Background

The CSS property to change the background color of an element to Hex 828CE1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#828CE1 }
```

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

```
.background{ background-color:#828CE1 }
```

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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