

# Converting Colors

Hex(9747E1)

Have a look what the booklet for  
Hex(9747E1) contains.

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**Color**

**Hex(9747E1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9747E1
RGB	151, 71, 225
RGB Percent	59%, 28%, 88%
CMY	0.4078, 0.7216, 0.1176
CMYK	0.33, 0.68, 0.00, 0.12
HSL	271°, 72%, 58%
HSV	271°, 68%, 88%
XYZ	28.6063, 16.5220, 72.9155
YIQ	112.4760, -1.7540, 64.8540

# Conversions

## Conversions Part 2

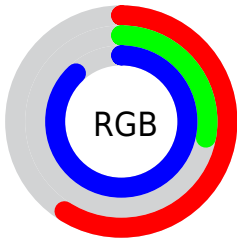
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	151, 71, 225
Decimal	9914337
CIE Lab	47.65, 60.71, -65.23
CIE LCh	48, 89.116, 312.945
Yxy	16.5220, 0.2423, 0.1400
Android (android.graphics.Color)	4288104417 (0xFF9747E1)
YUV	112.4760, 55.4743, 33.7855
Hunter-Lab	40.6473, 54.4901, -77.9048

# Details

The Hex color **9747E1** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **91E147**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **D27DFF**, and **5D07A9** is the 20% darker color. If you saturate the color by 10%, you get **8C31E1**, and if you desaturate by 10%, it is **A25EE1**.

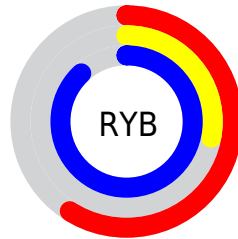
# Distribution



Red (59%)

Green (28%)

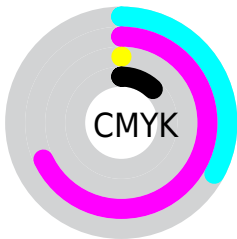
Blue (88%)



Red (59%)

Yellow (28%)

Blue (88%)

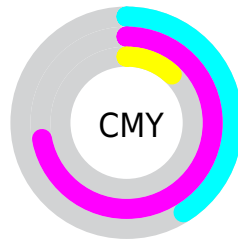


Cyan (33%)

Magenta (68%)

Yellow (0%)

Black (12%)



Cyan (41%)

Magenta (72%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9747E1 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 9747E1 by changing the saturation by 10% instead.



9747E1

9747E1

FFFFFF

7A2BC4

D27DFF

5D07A9

F098FF

3F008D

FFB4FF

1D0073

FFD1FF

00005A

FFEEFF

000141

00032A

000114

000000

9747E1

9747E1

8C31E1

A25EE1

811AE1

AD74E1

7703E1

B78BE1

7500E1

C2A1E1

CDB8E1

D8CEE1

E3E4E1

EDFBE1

F8FFE1

# Harmonies

## Analogous

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



0071FF



9747E1



DD009F

# Triad

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



9747E1



AC5D00



008F91

# Complementary

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



9747E1



91E147

# 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.



008C41



9747E1



6D7800

# Square

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



9747E1



DA2900



008600



008ED7

# Rectangle

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



9747E1



ED006D



008600



008E77



# Sweetspot

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



9747E1



E5C9FF



4791E1



706080



000000



808080



# Same Dimension

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



9747E1



9B2EFF



E147DE



6B6570



5B00B0



190030



# Inverse Universe

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



E14791



FF2E92



47E14A



70656A



B00055

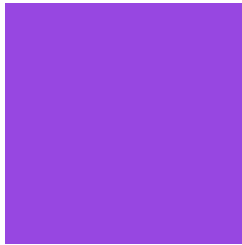


300017



# Previews

## White Background



This preview shows how the Hex color 9747E1 looks on a white 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

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

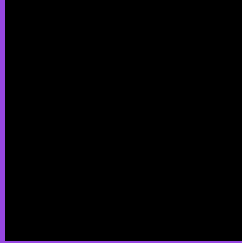
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 9747E1 Background



This preview shows how black text looks on a background with the Hex color 9747E1.

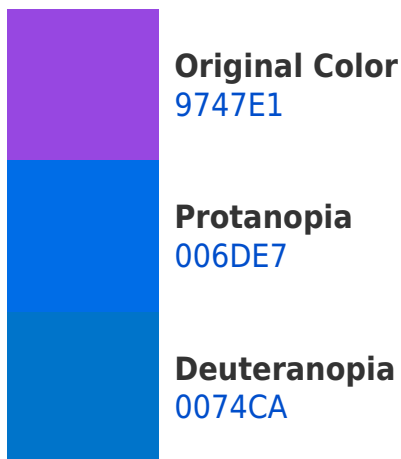



This preview shows how white text looks on a background with the Hex color 9747E1.

# 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](#).

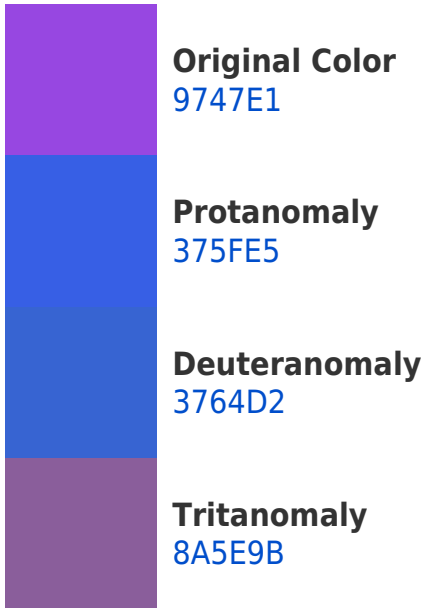
## Dichromacy



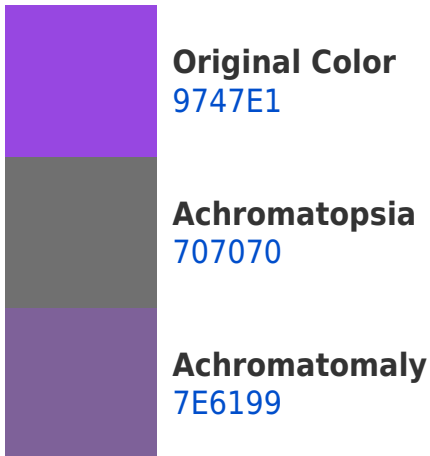


**Tritanopia**  
826B73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9747E1 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 #9747E1 looks like.

```
.text, #text, p{  
    color:#9747E1  
}
```

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 #9747E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9747E1
}
```

## Border

The CSS property to change the border of an element to Hex 9747E1 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".

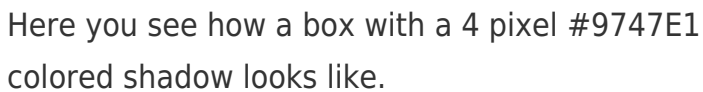
```
.border, #border, table{ border:4px solid
#9747E1 }
```

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

```
.border{ border-color:#9747E1 }
```

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

Here you see how a box with a 4 pixel #9747E1 colored shadow looks like.

A rectangular box with a purple border and a purple shadow. The box is white with a thin purple border on the top, bottom, and left sides. The right side of the box is open, and a thick purple shadow is cast to the right of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9747E1; -webkit-box-shadow:4px 4px  
4px 4px #9747E1; box-shadow:4px 4px 4px  
4px #9747E1 }
```

# Background

The CSS property to change the background color of an element to Hex 9747E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9747E1 }
```

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

```
.background{ background-color:#9747E1 }
```

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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