

# Converting Colors

Hex(9827FF)

Have a look what the booklet for  
Hex(9827FF) contains.

<b>Hex(9827FF)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(9827FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9827FF
RGB	152, 39, 255
RGB Percent	60%, 15%, 100%
CMY	0.4039, 0.8471, 0.0000
CMYK	0.40, 0.85, 0.00, 0.00
HSL	271°, 100%, 58%
HSV	271°, 85%, 100%
XYZ	31.7244, 15.3464, 95.8978
YIQ	97.4110, -1.9880, 91.1320

# Conversions

## Conversions Part 2

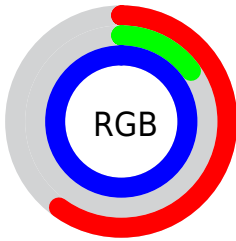
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	152, 39, 255
Decimal	9971711
CIE Lab	46.11, 79.14, -84.63
CIE LCh	46, 115.870, 313.079
Yxy	15.3464, 0.2219, 0.1073
Android (android.graphics.Color)	4288161791 (0xFF9827FF)
YUV	97.4110, 77.6914, 47.8746
Hunter-Lab	39.1745, 75.9979, -117.7176

# Details

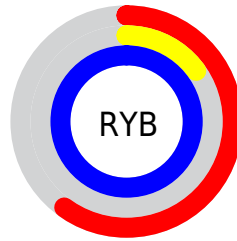
The Hex color **9827FF** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **8EFF27**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **D666FF**, and **5900C5** is the 20% darker color. If you saturate the color by 10%, you get **8C0EFF**, and if you desaturate by 10%, it is **A441FF**.

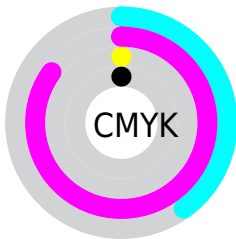
# Distribution



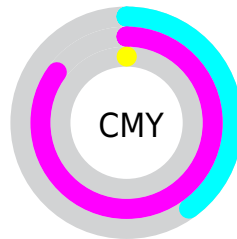
- Red (60%)
- Green (15%)
- Blue (100%)



- Red (60%)
- Yellow (15%)
- Blue (100%)



- Cyan (40%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (85%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9827FF 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 9827FF by changing the saturation by 10% instead.



 9827FF

 9827FF

FFFFFF

 7900E2

 D666FF

 5900C5

 F583FF

 3400A9

 FF9FFF

 00008D

 FFBCFF

 000073

 FFDAFF

 000059

 FFF7FF

 000740

 000329

 000113

 9827FF

 9827FF

 8C0EFF

 A441FF

 8500FF

 B05AFF

 BC74FF

 C98DFF

 D5A7FF

 E1C0FF

 EDDAFF

 F9F3FF

FFFFFF

# Harmonies

## Analogous

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



0070FF



9827FF



F500A8

# Triad

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



9827FF



B15300



008F97

# Complementary

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



9827FF



8EFF27

# 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.



008C2E



9827FF



5E7700

# Square

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



9827FF



EC0000



008600



0090F3

# Rectangle

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



9827FF



FF0069



008600



008E75



# Sweetspot

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



9827FF



E1BFFF



278FFF



6D5980



000000



808080



# Same Dimension

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



9827FF



8500FF



FF27FB



797380



6400BF



210040



# Inverse Universe

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



FF278E



FF007A



27FF2B



807379



BF005B

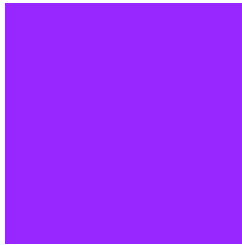


40001E



# Previews

## White Background



This preview shows how the Hex color 9827FF 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 9827FF Background



This preview shows how black text looks on a background with the Hex color 9827FF.



This preview shows how white text looks on a background with the Hex color 9827FF.

# 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**  
9827FF

**Protanopia**  
0069DE

**Deuteranopia**  
0070BF



**Tritanopia**  
796870

# Trichromacy



**Original Color**  
9827FF



**Protanomaly**  
3751EA



**Deuteranomaly**  
3755D6



**Tritanomaly**  
8450A4

# Monochromacy



**Original Color**  
9827FF



**Achromatopsia**  
616161



**Achromatomaly**  
754C9A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9827FF 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 #9827FF looks like.

```
.text, #text, p{  
    color:#9827FF  
}
```

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 #9827FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9827FF
}
```

## Border

The CSS property to change the border of an element to Hex 9827FF 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
#9827FF }
```

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

```
.border{ border-color:#9827FF }
```

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

Here you see how a box with a 4 pixel #9827FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9827FF; -webkit-box-shadow:4px 4px  
4px 4px #9827FF; box-shadow:4px 4px 4px  
4px #9827FF }
```

# Background

The CSS property to change the background color of an element to Hex 9827FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9827FF }
```

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

```
.background{ background-color:#9827FF }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**