

# Converting Colors

Hex(9700D7)

Have a look what the booklet for  
Hex(9700D7) contains.

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**Color**

**Hex(9700D7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9700D7
RGB	151, 0, 215
RGB Percent	59%, 0%, 84%
CMY	0.4078, 1.0000, 0.1569
CMYK	0.30, 1.00, 0.00, 0.16
HSL	282°, 100%, 42%
HSV	282°, 100%, 84%
XYZ	25.0282, 11.4856, 65.1878
YIQ	69.6590, 20.9810, 98.8770

# Conversions

## Conversions Part 2

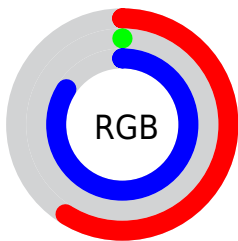
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 0, 215
Decimal	9896151
CIE <sub>Lab</sub>	40.39, 77.43, -71.35
CIE <sub>LCh</sub>	40, 105.291, 317.343
Yxy	11.4856, 0.2461, 0.1129
Android (android.graphics.Color)	4288086231 (0xFF9700D7)
YUV	69.6590, 71.6531, 71.3361
Hunter-Lab	33.8904, 72.5149, -90.3203

# Details

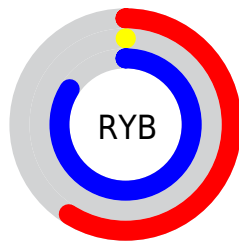
The Hex color **9700D7** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **40D700**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **D353FF**, and **5B009F** is the 20% darker color. If you saturate the color by 10%, you get **9700D7**, and if you desaturate by 10%, it is **9D15D7**.

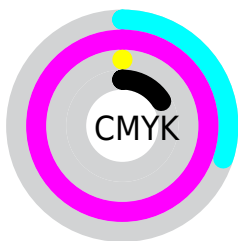
# Distribution



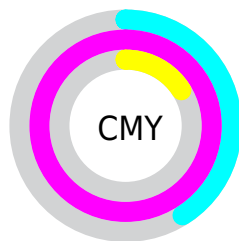
- Red (59%)
- Green (0%)
- Blue (84%)



- Red (59%)
- Yellow (0%)
- Blue (84%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)



- Cyan (41%)
- Magenta (100%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9700D7 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 9700D7 by changing the saturation by 10% instead.



 9700D7

 9700D7

FFFFFF

 7900BB

 D353FF

 5B009F

 F171FF

 3C0084

 FF8EFF

 1D006A

 FFABFF

 000050

 FFC8FF

 000538

 FFE6FF

 000222

 000007

 000000

 9700D7

 9D15D7

 A42BD7

 AA41D7

 B156D7

 B76CD7

 BD81D7

 C497D7

 CAACD7

 D1C2D7

# Harmonies

## Analogous

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



005CFF



9700D7



DD0088

# Triad

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



9700D7



924E00



007D91

# Complementary

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



9700D7



40D700

# 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.



007B36



9700D7



446B00

# Square

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



9700D7



CA0000



007600



007EE0

# Rectangle

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



9700D7



E9004F



007600



007D73



# Sweetspot

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



9700D7



E8B3FF



0040D7



725280



000000



808080



# Same Dimension

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



9700D7



B300FF



D700AC



68606B



7800AB



1E002B



# Inverse Universe

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



D70040



FF004C



00D72B



6B6064



AB0033

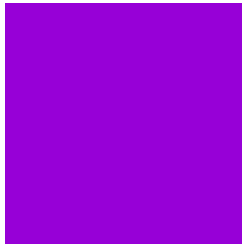


2B000D



# Previews

## White Background



This preview shows how the Hex color 9700D7 looks on a white background.

## Color Contrast Check

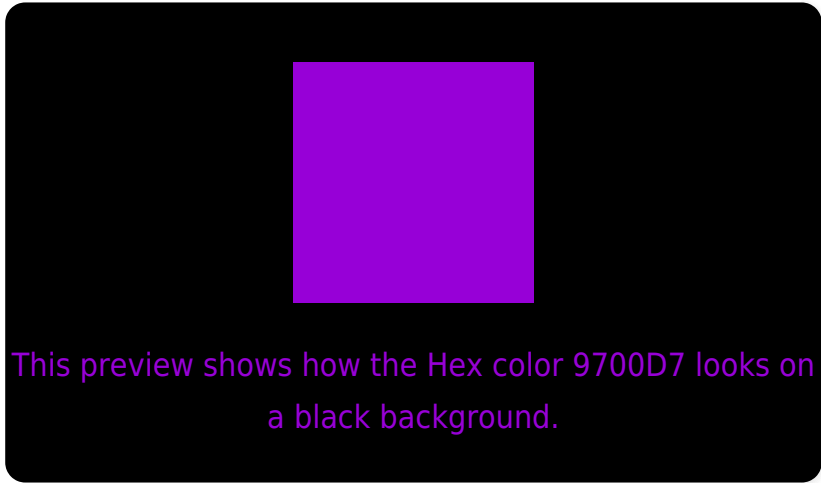
Large Text (above 18pt) WCAG AA ✓ Pass

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

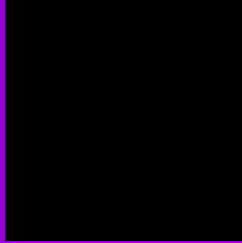
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 9700D7 Background



This preview shows how black text looks on a background with the Hex color 9700D7.

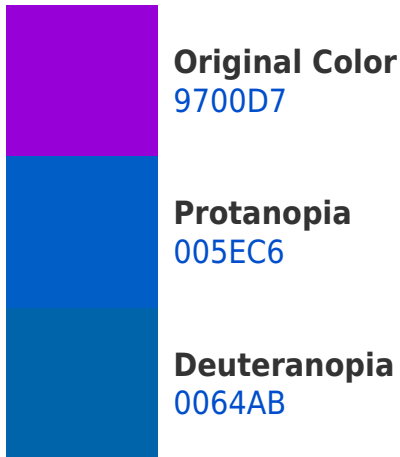



This preview shows how white text looks on a background with the Hex color 9700D7.

# 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**  
82545A

# Trichromacy



**Original Color**  
9700D7



**Protanomaly**  
373CCC



**Deuteranomaly**  
3740BB



**Tritanomaly**  
8A3587

# Monochromacy



**Original Color**  
9700D7



**Achromatopsia**  
464646



**Achromatomaly**  
632D7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9700D7 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 #9700D7 looks like.

```
.text, #text, p{  
    color:#9700D7  
}
```

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 #9700D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9700D7
}
```

## Border

The CSS property to change the border of an element to Hex 9700D7 is called "border". The border property can be set on classes, ids or directly on the HTML element.

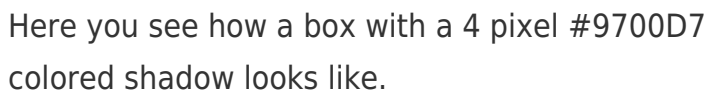
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9700D7 }
```

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

```
.border{ border-color:#9700D7 }
```

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



Here you see how a box with a 4 pixel #9700D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9700D7; -webkit-box-shadow:4px 4px  
4px 4px #9700D7; box-shadow:4px 4px 4px  
4px #9700D7 }
```

# Background

The CSS property to change the background color of an element to Hex 9700D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9700D7 }
```

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

```
.background{ background-color:#9700D7 }
```

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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