

# Converting Colors

Hex(7900BD)

Have a look what the booklet for  
Hex(7900BD) contains.

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**Color**

**Hex(7900BD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7900BD
RGB	121, 0, 189
RGB Percent	47%, 0%, 74%
CMY	0.5255, 1.0000, 0.2588
CMYK	0.36, 1.00, 0.00, 0.26
HSL	278°, 100%, 37%
HSV	278°, 100%, 74%
XYZ	17.0705, 7.7391, 48.7382
YIQ	57.7250, 11.4470, 84.4310

# Conversions

## Conversions Part 2

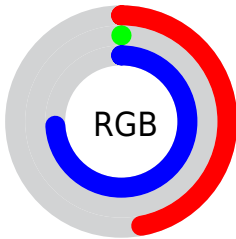
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 0, 189
Decimal	7930045
CIE <sub>Lab</sub>	33.43, 69.03, -67.76
CIE <sub>LCh</sub>	33, 96.728, 315.530
Yxy	7.7391, 0.2321, 0.1052
Android (android.graphics.Color)	4286120125 (0xFF7900BD)
YUV	57.7250, 64.7186, 55.4922
Hunter-Lab	27.8192, 60.8480, -84.4005

# Details

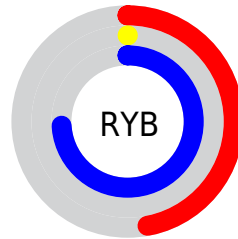
The Hex color **7900BD** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **44BD00**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **B44CF6**, and **3D0086** is the 20% darker color. If you saturate the color by 10%, you get **7900BD**, and if you desaturate by 10%, it is **8013BD**.

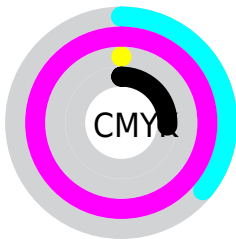
# Distribution



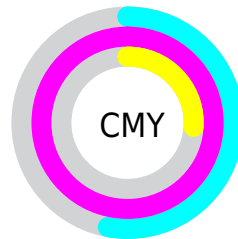
- Red (47%)
- Green (0%)
- Blue (74%)



- Red (47%)
- Yellow (0%)
- Blue (74%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)



- Cyan (53%)
- Magenta (100%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7900BD 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 7900BD by changing the saturation by 10% instead.



 7900BD

 7900BD

FFFFFF

 5C00A1

 B44CF6

 3D0086

 D168FF

 1C006C

 EF84FF

 000053

 FFA0FF

 00063A

 FFBCFF

 000224

 FFD9FF

 00000B

 FFF7FF

 000000

 7900BD

 8013BD

 8726BD

 8D39BD

 944CBD

 9B5FBD

 A271BD

 A984BD

 AF97BD

 B6AABD

# Harmonies

## Analogous

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



004EE8



7900BD



BC0077

# Triad

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



7900BD



7E3D00



006976

# Complementary

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



7900BD



44BD00

# 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.



006624



7900BD



3A5800

# Square

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



7900BD



AF0000



006200



006ABE

# Rectangle

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



7900BD



C90045



006200



00685C



# Sweetspot

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



7900BD



DAABF5



0045BD



6B4E7A



FAFafa



7A7A7A



# Same Dimension

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



7900BD



9D00F5



BD00A4



5B555E



65009E



14001F



# Inverse Universe

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



BD0044



F50058



00BD19



5E5558



9E0039



1F000B



# Previews

## White Background



This preview shows how the Hex color 7900BD looks on a white background.

## Color Contrast Check

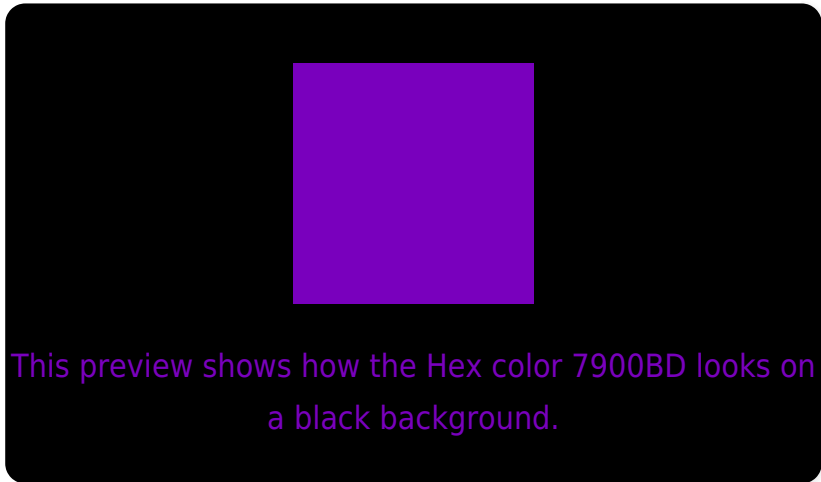
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

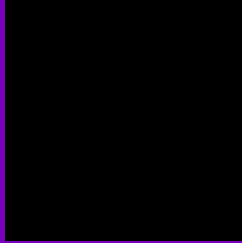
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7900BD Background



This preview shows how black text looks on a background with the Hex color 7900BD.

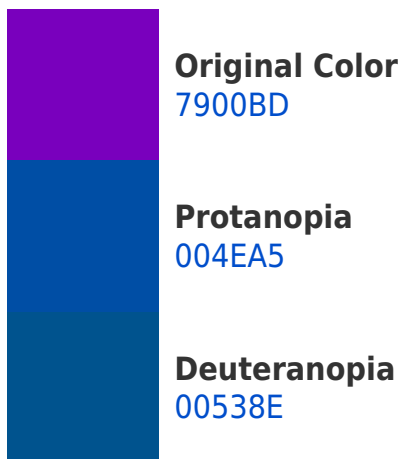


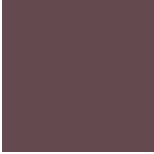
This preview shows how white text looks on a background with the Hex color 7900BD.

# 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**  
644A4F

# Trichromacy



**Original Color**  
7900BD

**Protanomaly**  
2C32AE

**Deuteranomaly**  
2C359F

**Tritanomaly**  
6C2F77

# Monochromacy



**Original Color**  
7900BD

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
51256A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7900BD 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 #7900BD looks like.

```
.text, #text, p{  
    color:#7900BD  
}
```

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 #7900BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7900BD
}
```

## Border

The CSS property to change the border of an element to Hex 7900BD is called "border". The border property can be set on classes, ids or directly on the HTML element.

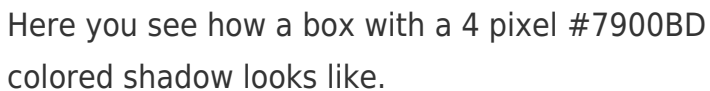
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7900BD }
```

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

```
.border{ border-color:#7900BD }
```

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



Here you see how a box with a 4 pixel #7900BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7900BD; -webkit-box-shadow:4px 4px  
4px 4px #7900BD; box-shadow:4px 4px 4px  
4px #7900BD }
```

# Background

The CSS property to change the background color of an element to Hex 7900BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7900BD }
```

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

```
.background{ background-color:#7900BD }
```

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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