

# Converting Colors

Hex(7823A9)

Have a look what the booklet for  
Hex(7823A9) contains.

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**Color**

**Hex(7823A9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7823A9
RGB	120, 35, 169
RGB Percent	47%, 14%, 66%
CMY	0.5294, 0.8627, 0.3373
CMYK	0.29, 0.79, 0.00, 0.34
HSL	278°, 66%, 40%
HSV	278°, 79%, 66%
XYZ	15.5082, 8.0597, 38.2744
YIQ	75.6910, 7.6460, 59.6940

# Conversions

## Conversions Part 2

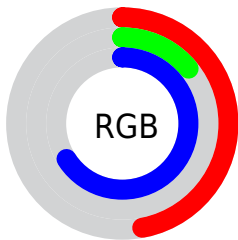
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	120, 35, 169
Decimal	7873449
CIE Lab	34.11, 57.24, -54.76
CIE LCh	34, 79.215, 316.270
Yxy	8.0597, 0.2508, 0.1303
Android (android.graphics.Color)	4286063529 (0xFF7823A9)
YUV	75.6910, 46.0013, 38.8590
Hunter-Lab	28.3896, 47.8261, -60.0611

# Details

The Hex color **7823A9** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **54A923**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **B15AE1**, and **400074** is the 20% darker color. If you saturate the color by 10%, you get **7212A9**, and if you desaturate by 10%, it is **7E34A9**.

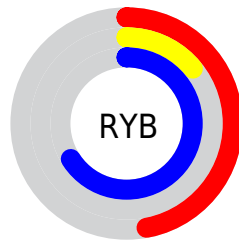
# Distribution



Red (47%)

Green (14%)

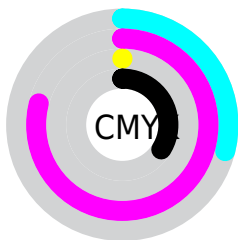
Blue (66%)



Red (47%)

Yellow (14%)

Blue (66%)

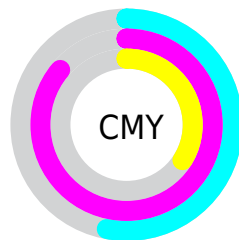


Cyan (29%)

Magenta (79%)

Yellow (0%)

Black (34%)



Cyan (53%)

Magenta (86%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7823A9 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 7823A9 by changing the saturation by 10% instead.



 7823A9

 7823A9

FFFFFF

 5C008E

 B15AE1

 400074

 CE75FE

 24005A

 EB90FF

 000042

 FFACFF

 00032B

 FFC8FF

 000115

 FFE5FF

 000000

 7823A9

 7823A9

 7212A9

 7E34A9

6C01A9

8445A9

6B00A9

8B56A9

9167A9

9777A9

9D88A9

A399A9

A9AAA9

B0BBA9

# Harmonies

## Analogous

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



004ECC



7823A9



AD0070

# Triad

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



7823A9



7A4300



006872

# Complementary

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



7823A9



54A923

# 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.



006630



7823A9



435800

# Square

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



7823A9



A31000



006200



0068AC

# Rectangle

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



7823A9



B70046



006200



00675C



# Sweetspot

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



7823A9



C8A7DB



2354A9



624E6E



EDEDED



6E6E6E



# Same Dimension

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



7823A9



8F0BDB



A92397



514C54



5E0094



0D0014



# Inverse Universe

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



A92354



DB0B57



23A935



544C4F



940036



140007



# Previews

## White Background



This preview shows how the Hex color 7823A9 looks on a white background.

## Color Contrast Check

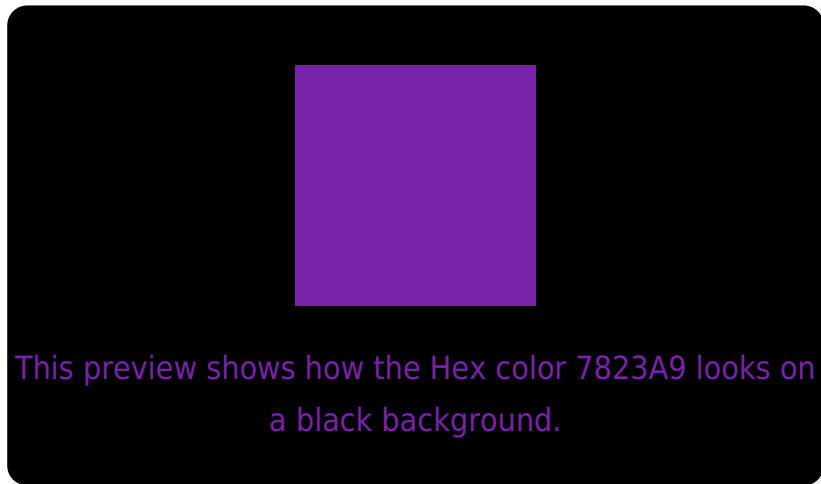
Large Text (above 18pt) WCAG AA ✓ Pass

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

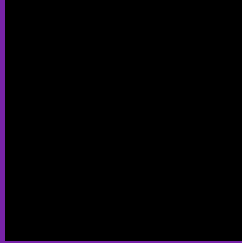
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7823A9 Background



This preview shows how black text looks on a background with the Hex color 7823A9.

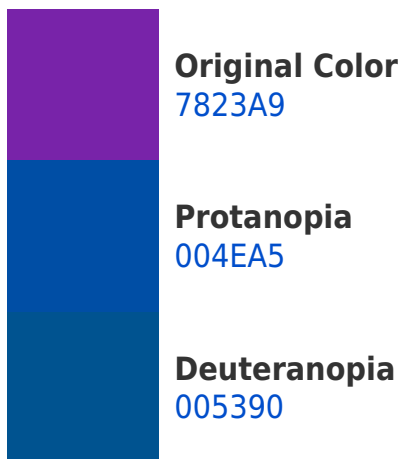


This preview shows how white text looks on a background with the Hex color 7823A9.

# 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**  
68484E

# Trichromacy



**Original Color**  
7823A9



**Protanomaly**  
2C3EA6



**Deuteranomaly**  
2C4299



**Tritanomaly**  
6E3B6F

# Monochromacy



**Original Color**  
7823A9



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
5C3D6E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7823A9 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 #7823A9 looks like.

```
.text, #text, p{  
    color:#7823A9  
}
```

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 #7823A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7823A9
}
```

## Border

The CSS property to change the border of an element to Hex 7823A9 is called "border". The border property can be set on classes, ids or directly on the HTML element.

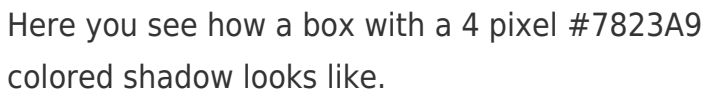
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7823A9 }
```

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

```
.border{ border-color:#7823A9 }
```

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



Here you see how a box with a 4 pixel #7823A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7823A9; -webkit-box-shadow:4px 4px  
4px 4px #7823A9; box-shadow:4px 4px 4px  
4px #7823A9 }
```

# Background

The CSS property to change the background color of an element to Hex 7823A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7823A9 }
```

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

```
.background{ background-color:#7823A9 }
```

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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