

# Converting Colors

Hex(7634A9)

Have a look what the booklet for  
Hex(7634A9) contains.

<b>Hex(7634A9)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	28

**Color**

**Hex(7634A9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7634A9
RGB	118, 52, 169
RGB Percent	46%, 20%, 66%
CMY	0.5373, 0.7961, 0.3373
CMYK	0.30, 0.69, 0.00, 0.34
HSL	274°, 53%, 43%
HSV	274°, 69%, 66%
XYZ	15.8606, 9.1721, 38.4706
YIQ	85.0720, 1.7790, 50.3790

# Conversions

## Conversions Part 2

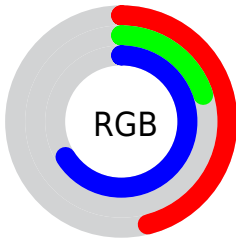
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 52, 169
Decimal	7746729
CIE Lab	36.31, 49.78, -51.19
CIE LCh	36, 71.409, 314.200
Yxy	9.1721, 0.2498, 0.1444
Android (android.graphics.Color)	4285936809 (0xFF7634A9)
YUV	85.0720, 41.3765, 28.8779
Hunter-Lab	30.2855, 40.4816, -54.1141

# Details

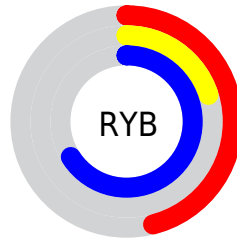
The Hex color **7634A9** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **67A934**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **AE68E1**, and **3F0074** is the 20% darker color. If you saturate the color by 10%, you get **6F23A9**, and if you desaturate by 10%, it is **7D45A9**.

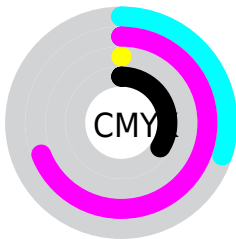
# Distribution



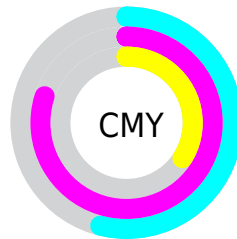
- Red (46%)
- Green (20%)
- Blue (66%)



- Red (46%)
- Yellow (20%)
- Blue (66%)



- Cyan (30%)
- Magenta (69%)
- Yellow (0%)
- Black (34%)



- Cyan (54%)
- Magenta (80%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7634A9 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 7634A9 by changing the saturation by 10% instead.



 7634A9

 7634A9

FFFFFF

 5B198E

 AE68E1

 3F0074

 CA82FE

 23005B

 E89DFF

 030042

 FFB9FF

 00032B

 FFD5FF

 000115

 FFF2FF

 000000

 7634A9

 7634A9

 6F23A9

 7D45A9

6712A9

8556A9

6001A9

8C67A9

5F00A9

9378A9

9B88A9

A299A9

AAAAA9

B1BBA9

B8CCA9

# Harmonies

## Analogous

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



0054C7



7634A9



A90076

# Triad

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



7634A9



814700



006C70

# Complementary

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



7634A9



67A934

# 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.



006B34



7634A9



505B00

# Square

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



7634A9



A52200



006600



006CA5

# Rectangle

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



7634A9



B50050



006600



006C5C



# Sweetspot

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



7634A9



C7ADDB



3469A9



62526E



EDEDED



6E6E6E



# Same Dimension

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



7634A9



8C25DB



A934A3



504C54



530094



0C0014



# Inverse Universe

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



A93467



DB2575



34A93A



544C4F



940040

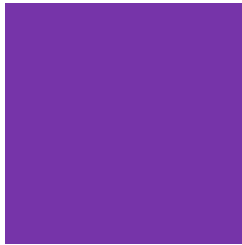


140009



# Previews

## White Background



This preview shows how the Hex color 7634A9 looks on a white background.

## Color Contrast Check

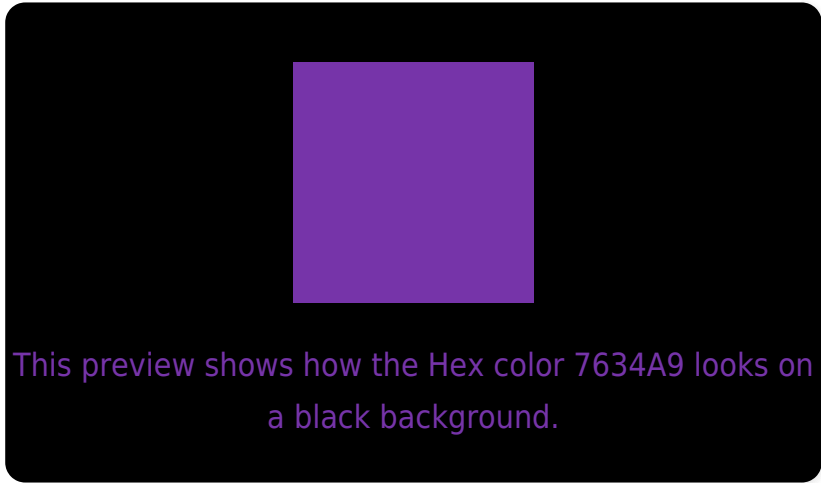
Large Text (above 18pt) WCAG AA ✓ Pass

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

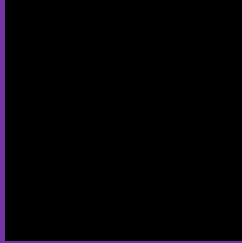
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7634A9 Background



This preview shows how black text looks on a background with the Hex color 7634A9.



This preview shows how white text looks on a background with the Hex color 7634A9.

# 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



# Trichromacy



**Original Color**  
7634A9



**Protanomaly**  
2B48AD

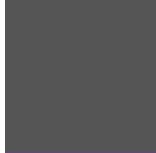


**Tritanomaly**  
6C4574

# Monochromacy



**Original Color**  
7634A9



**Achromatopsia**  
555555



**Achromatomaly**  
614974

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7634A9 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 #7634A9 looks like.

```
.text, #text, p{  
    color:#7634A9  
}
```

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 #7634A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7634A9
}
```

## Border

The CSS property to change the border of an element to Hex 7634A9 is called "border". The border property can be set on classes, ids or directly on the HTML element.

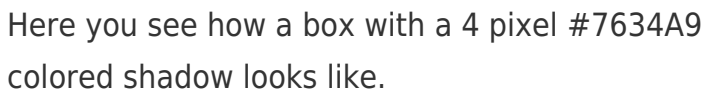
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7634A9 }
```

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

```
.border{ border-color:#7634A9 }
```

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



Here you see how a box with a 4 pixel #7634A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7634A9; -webkit-box-shadow:4px 4px  
4px 4px #7634A9; box-shadow:4px 4px 4px  
4px #7634A9 }
```

# Background

The CSS property to change the background color of an element to Hex 7634A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7634A9 }
```

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

```
.background{ background-color:#7634A9 }
```

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