

# Converting Colors

Hex(733D8D)

Have a look what the booklet for  
Hex(733D8D) contains.

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**Color**

**Hex(733D8D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	733D8D
RGB	115, 61, 141
RGB Percent	45%, 24%, 55%
CMY	0.5490, 0.7608, 0.4471
CMYK	0.18, 0.57, 0.00, 0.45
HSL	280°, 40%, 40%
HSV	280°, 57%, 55%
XYZ	13.5467, 8.9054, 26.2042
YIQ	86.2660, 6.5040, 36.3280

# Conversions

## Conversions Part 2

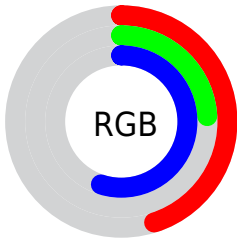
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 61, 141
Decimal	7552397
CIE <sub>Lab</sub>	35.80, 37.89, -35.09
CIE <sub>LCh</sub>	36, 51.647, 317.200
Yxy	8.9054, 0.2784, 0.1830
Android (android.graphics.Color)	4285742477 (0xFF733D8D)
YUV	86.2660, 26.9839, 25.1997
Hunter-Lab	29.8419, 28.8064, -31.1732

# Details

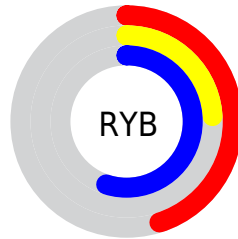
The Hex color **733D8D** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **578D3D**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **A96FC3**, and **400B5A** is the 20% darker color. If you saturate the color by 10%, you get **6E2F8D**, and if you desaturate by 10%, it is **784B8D**.

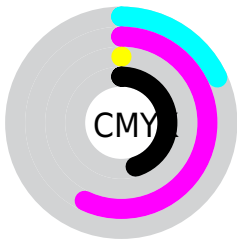
# Distribution



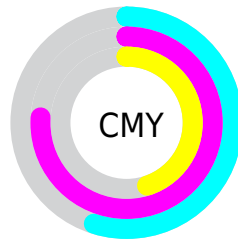
- Red (45%)
- Green (24%)
- Blue (55%)



- Red (45%)
- Yellow (24%)
- Blue (55%)



- Cyan (18%)
- Magenta (57%)
- Yellow (0%)
- Black (45%)



- Cyan (55%)
- Magenta (76%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 733D8D 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 733D8D by changing the saturation by 10% instead.



733D8D

733D8D

FFFFFF

592573

A96FC3

400B5A

C589DF

270042

E1A4FC

0D002C

FFBFFF

000116

FFDBFF

000000

FFF8FF

733D8D

733D8D

6E2F8D

784B8D

6A218D

7C598D

65138D

81678D

61058D

85758D

5F008D

8A848D

8E928D

93A08D

98AE8D

9CBC8D

# Harmonies

## Analogous

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



2351A4



733D8D



952968

# Triad

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



733D8D



754C00



00676C

# Complementary

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



733D8D



578D3D

# 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.



006640



733D8D



505A00

# Square

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



733D8D



903917



186215



006590

# Rectangle

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



733D8D



9C244C



186215



00675D



# Sweetspot

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



733D8D



AD98B8



3D588D



56495C



DBDBDB



5C5C5C



# Same Dimension

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



733D8D



8F3BB8



8D3D80



454047



5B0087



050008



# Inverse Universe

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



8D3D57



B83B63



3D8D4A



474043



87002C

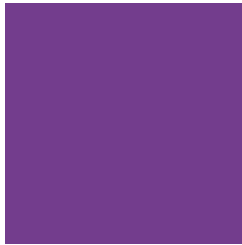


080002



# Previews

## White Background



This preview shows how the Hex color 733D8D looks on a white background.

## Color Contrast Check

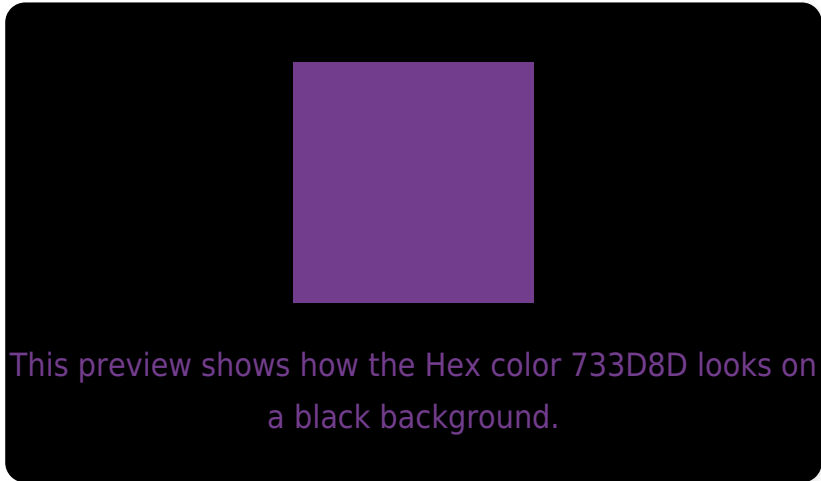
Large Text (above 18pt) WCAG AA ✓ Pass

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

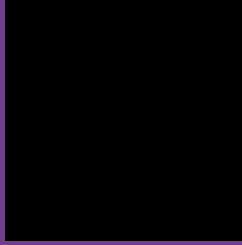
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 733D8D Background



This preview shows how black text looks on a background with the Hex color 733D8D.

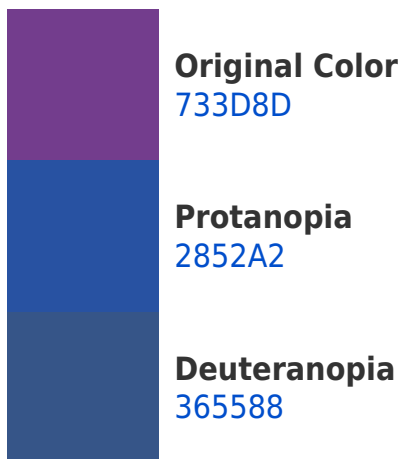


This preview shows how white text looks on a background with the Hex color 733D8D.

# 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**  
6A4D52

# Trichromacy



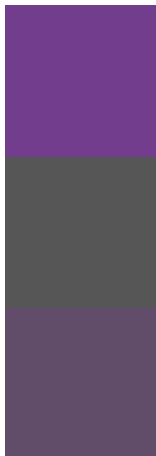
**Original Color**  
733D8D

**Protanomaly**  
434A9A

**Deuteranomaly**  
4C4C8A

**Tritanomaly**  
6D4767

# Monochromacy



**Original Color**  
733D8D

**Achromatopsia**  
565656

**Achromatomaly**  
614D6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 733D8D 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 #733D8D looks like.

```
.text, #text, p{  
    color:#733D8D  
}
```

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 #733D8D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #733D8D
}
```

## Border

The CSS property to change the border of an element to Hex 733D8D is called "border". The border property can be set on classes, ids or directly on the HTML element.

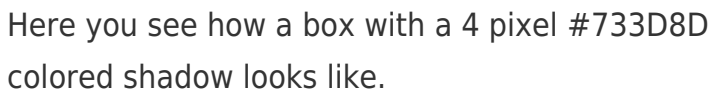
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#733D8D }
```

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

```
.border{ border-color:#733D8D }
```

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



Here you see how a box with a 4 pixel #733D8D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #733D8D; -webkit-box-shadow:4px 4px  
4px 4px #733D8D; box-shadow:4px 4px 4px  
4px #733D8D }
```

# Background

The CSS property to change the background color of an element to Hex 733D8D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#733D8D }
```

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

```
.background{ background-color:#733D8D }
```

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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