

# Converting Colors

Hex(7D2E83)

Have a look what the booklet for  
Hex(7D2E83) contains.

<b>Hex(7D2E83)</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> .....	29

# Color

**Hex(7D2E83)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7D2E83
RGB	125, 46, 131
RGB Percent	49%, 18%, 51%
CMY	0.5098, 0.8196, 0.4863
CMYK	0.05, 0.65, 0.00, 0.49
HSL	296°, 48%, 35%
HSV	296°, 65%, 51%
XYZ	13.5312, 7.9527, 22.2946
YIQ	79.3110, 19.7990, 43.1830

# Conversions

## Conversions Part 2

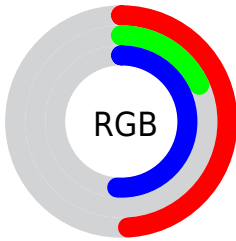
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 46, 131
Decimal	8203907
CIE <sub>Lab</sub>	33.88, 46.06, -31.87
CIE <sub>LCh</sub>	34, 56.013, 325.316
Yxy	7.9527, 0.3091, 0.1817
Android (android.graphics.Color)	4286393987 (0xFF7D2E83)
YUV	79.3110, 25.4827, 40.0693
Hunter-Lab	28.2005, 36.2973, -27.1329

# Details

The Hex color **7D2E83** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34832E**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **B462B8**, and **490051** is the 20% darker color. If you saturate the color by 10%, you get **7C2183**, and if you desaturate by 10%, it is **7E3B83**.

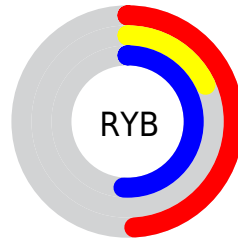
# Distribution



Red (49%)

Green (18%)

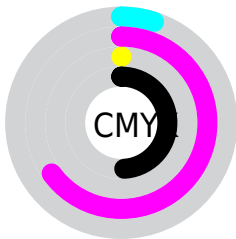
Blue (51%)



Red (49%)

Yellow (18%)

Blue (51%)

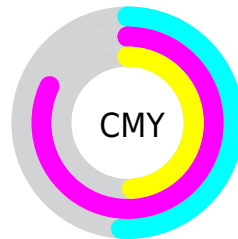


Cyan (5%)

Magenta (65%)

Yellow (0%)

Black (49%)



Cyan (51%)

Magenta (82%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7D2E83 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 7D2E83 by changing the saturation by 10% instead.



7D2E83

7D2E83

FFFFFF

63116A

B462B8

490051

D07CD4

30003A

ED97F1

150023

FFB3FF

00000A

FFCFFF

000000

FFEBFF

7D2E83

7D2E83

7C2183

7E3B83

■ 7B1483

■ 7F4883

■ 7A0783

■ 805583

■ 7A0083

■ 816283

■ 827083

■ 837D83

■ 838A83

■ 849783

■ 85A483

# Harmonies

## Analogous

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



3947A1



7D2E83



991459

# Triad

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



7D2E83



684B00



006375

# Complementary

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



7D2E83



34832E

# 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.



006247



7D2E83



3D5800

# Square

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



7D2E83



883700



005F17



006099

# Rectangle

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



7D2E83



9C153B



005F17



006366



# Sweetspot

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



7D2E83



A98AAB



2E3583



554357



D6D6D6



575757



# Same Dimension

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



7D2E83



A126AB



832E60



423C42



790082



020003



# Inverse Universe

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



832E34



AB262F



2E8351



423C3C



820009



030000



# Previews

## White Background



This preview shows how the Hex color 7D2E83 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

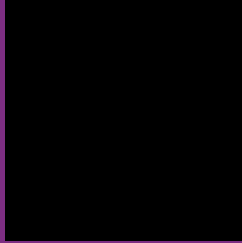
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7D2E83 Background



This preview shows how black text looks on a background with the Hex color 7D2E83.



This preview shows how white text looks on a background with the Hex color 7D2E83.

# 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



**Original Color**  
7D2E83

**Protanopia**  
184EA1

**Deuteranopia**  
39507D



# Trichromacy



**Original Color**  
7D2E83



**Protanomaly**  
3D4296



**Deuteranomaly**  
52447F

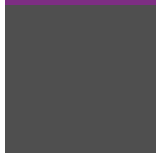


**Tritanomaly**  
783A5C

# Monochromacy



**Original Color**  
7D2E83



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
604362

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7D2E83 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 #7D2E83 looks like.

```
.text, #text, p{  
    color:#7D2E83  
}
```

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 #7D2E83 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7D2E83
}
```

## Border

The CSS property to change the border of an element to Hex 7D2E83 is called "border". The border property can be set on classes, ids or directly on the HTML element.

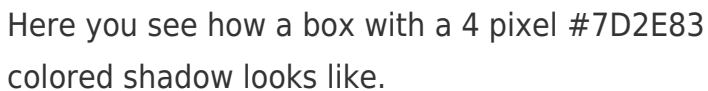
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7D2E83 }
```

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

```
.border{ border-color:#7D2E83 }
```

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



Here you see how a box with a 4 pixel #7D2E83 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7D2E83; -webkit-box-shadow:4px 4px  
4px 4px #7D2E83; box-shadow:4px 4px 4px  
4px #7D2E83 }
```

# Background

The CSS property to change the background color of an element to Hex 7D2E83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7D2E83 }
```

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

```
.background{ background-color:#7D2E83 }
```

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