

# Converting Colors

Hex(7D23B0)

Have a look what the booklet for  
Hex(7D23B0) contains.

<b>Hex(7D23B0)</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(7D23B0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D23B0
RGB	125, 35, 176
RGB Percent	49%, 14%, 69%
CMY	0.5098, 0.8627, 0.3098
CMYK	0.29, 0.80, 0.00, 0.31
HSL	278°, 67%, 41%
HSV	278°, 80%, 69%
XYZ	16.8950, 8.6966, 41.8624
YIQ	77.9840, 8.3790, 62.9310

# Conversions

## Conversions Part 2

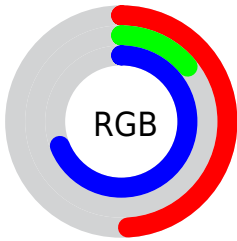
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 35, 176
Decimal	8201136
CIE <sub>Lab</sub>	35.39, 59.61, -56.82
CIE <sub>LCh</sub>	35, 82.350, 316.372
Yxy	8.6966, 0.2505, 0.1289
Android (android.graphics.Color)	4286391216 (0xFF7D23B0)
YUV	77.9840, 48.3219, 41.2330
Hunter-Lab	29.4900, 50.6557, -63.5218

# Details

The Hex color **7D23B0** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **56B023**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **B65BE9**, and **45007A** is the 20% darker color. If you saturate the color by 10%, you get **7711B0**, and if you desaturate by 10%, it is **8335B0**.

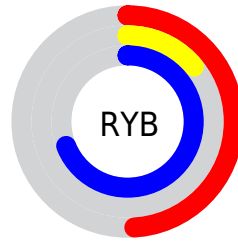
# Distribution



Red (49%)

Green (14%)

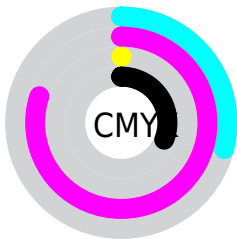
Blue (69%)



Red (49%)

Yellow (14%)

Blue (69%)

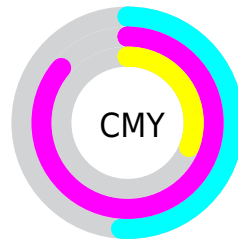


Cyan (29%)

Magenta (80%)

Yellow (0%)

Black (31%)



Cyan (51%)

Magenta (86%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7D23B0 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 7D23B0 by changing the saturation by 10% instead.



7D23B0

7D23B0

FFFFFF

610095

B65BE9

45007A

D376FF

280061

F192FF

040048

FFADFF

000430

FFCAFF

00011B

FFE7FF

000000

7D23B0

7D23B0

7711B0

8335B0

7000B0

8A46B0

9058B0

9669B0

9D7BB0

A38DB0

AA9EB0

B0B0B0

B6C1B0

# Harmonies

## Analogous

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



0051D5



7D23B0



B40074

# Triad

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



7D23B0



7F4500



006C77

# Complementary

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



7D23B0



56B023

# 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.



006A31



7D23B0



445B00

# Square

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



7D23B0



A90E00



006600



006CB3

# Rectangle

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



7D23B0



BF0049



006600



006B60



# Sweetspot

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



7D23B0



D2AEE6



2357B0



675173



F2F2F2



737373



# Same Dimension

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



7D23B0



9609E6



B0239D



565059



620099



10001A



# Inverse Universe

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



B02356



E60959



23B036



595054



990037

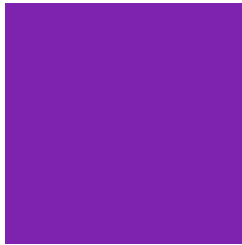


1A0009



# Previews

## White Background



This preview shows how the Hex color 7D23B0 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

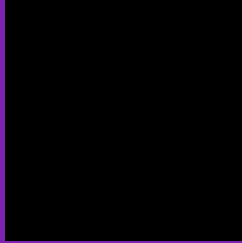
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7D23B0 Background



This preview shows how black text looks on a background with the Hex color 7D23B0.

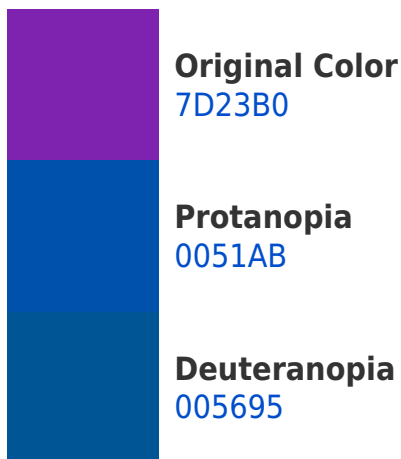


This preview shows how white text looks on a background with the Hex color 7D23B0.

# 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](#).

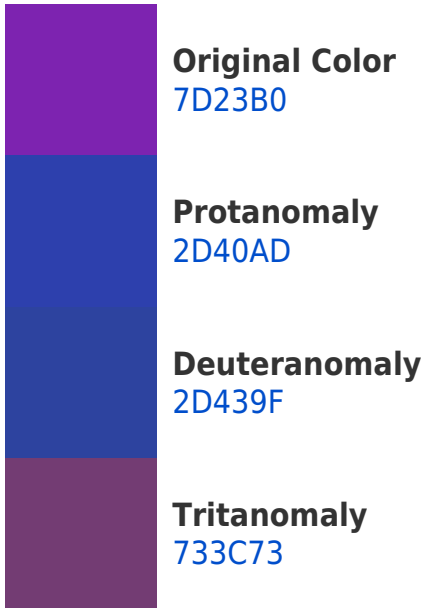
## Dichromacy



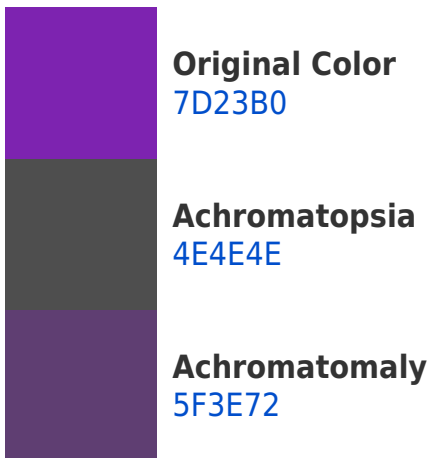


**Tritanopia**  
6D4B50

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7D23B0 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 #7D23B0 looks like.

```
.text, #text, p{  
    color:#7D23B0  
}
```

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 #7D23B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7D23B0
}
```

## Border

The CSS property to change the border of an element to Hex 7D23B0 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
#7D23B0 }
```

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

```
.border{ border-color:#7D23B0 }
```

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

Here you see how a box with a 4 pixel #7D23B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7D23B0; -webkit-box-shadow:4px 4px  
4px 4px #7D23B0; box-shadow:4px 4px 4px  
4px #7D23B0 }
```

# Background

The CSS property to change the background color of an element to Hex 7D23B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7D23B0 }
```

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

```
.background{ background-color:#7D23B0 }
```

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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