

# Converting Colors

Hex(7457A0)

Have a look what the booklet for  
Hex(7457A0) contains.

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# Color

**Hex(7457A0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7457A0
RGB	116, 87, 160
RGB Percent	45%, 34%, 63%
CMY	0.5451, 0.6588, 0.3725
CMYK	0.28, 0.46, 0.00, 0.37
HSL	264°, 30%, 48%
HSV	264°, 46%, 63%
XYZ	16.9558, 13.0675, 34.8863
YIQ	103.9930, -6.1490, 28.8510

# Conversions

## Conversions Part 2

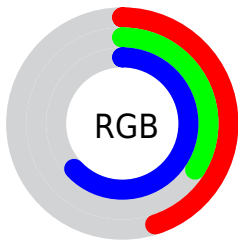
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 87, 160
Decimal	7624608
CIE <sub>Lab</sub>	42.86, 27.74, -35.36
CIE <sub>LCh</sub>	43, 44.947, 308.112
Yxy	13.0675, 0.2612, 0.2013
Android (android.graphics.Color)	4285814688 (0xFF7457A0)
YUV	103.9930, 27.6115, 10.5301
Hunter-Lab	36.1489, 20.4656, -31.9148

# Details

The Hex color **7457A0** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **83A057**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **AA89D7**, and **41296C** is the 20% darker color. If you saturate the color by 10%, you get **6A47A0**, and if you desaturate by 10%, it is **7E67A0**.

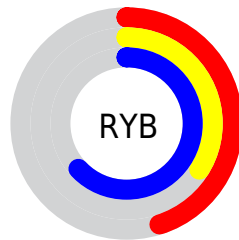
# Distribution



Red (45%)

Green (34%)

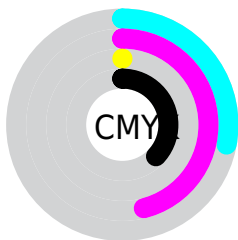
Blue (63%)



Red (45%)

Yellow (34%)

Blue (63%)

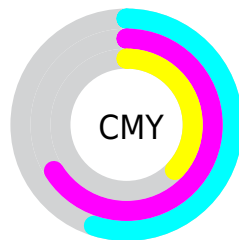


Cyan (28%)

Magenta (46%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (66%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7457A0 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 7457A0 by changing the saturation by 10% instead.



7457A0

7457A0

FFFFFF

5A3F86

AA89D7

41296C

C6A4F4

281353

E2BFFF

12003C

FFDBFF

000225

FFF8FF

00010E

000000

7457A0

7457A0

6A47A0

7E67A0

6137A0

8777A0

5727A0

9187A0

4D17A0

9B97A0

4407A0

A4A7A0

4000A0

AEB7A0

B8C7A0

C1D7A0

CBE7A0

# Harmonies

## Analogous

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



2866AF



7457A0



9A4882

# Triad

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



7457A0



8E591D



00776F

# Complementary

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



7457A0



83A057

# 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.



007548



7457A0



6F6713

# Square

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



7457A0



A34A39



477026



007692

# Rectangle

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



7457A0



A64269



477026



007762



# Sweetspot

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



7457A0



BFB4D1



5784A0



5E5769



E8E8E8



696969



# Same Dimension

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



7457A0



8C5ED1



9757A0



4A474F



39008F



06000F



# Inverse Universe

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



A05783



D15EA3



60A057



4F474C



8F0056



0F0009



# Previews

## White Background



This preview shows how the Hex color 7457A0 looks on a white background.

## Color Contrast Check

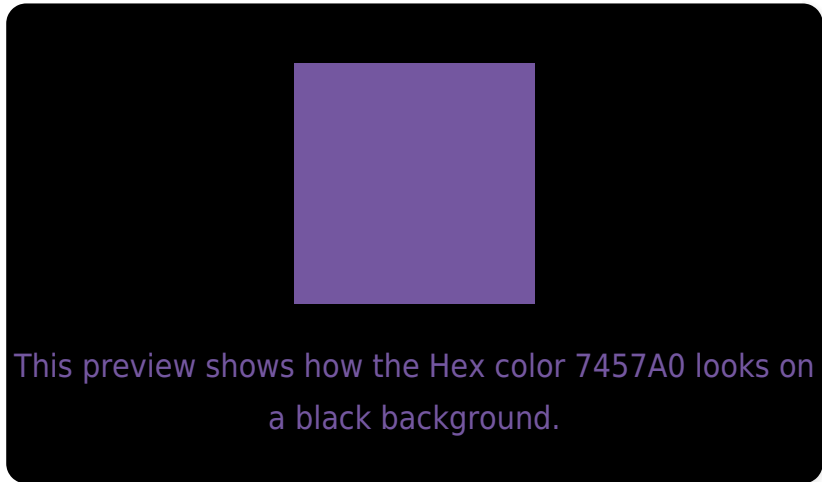
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

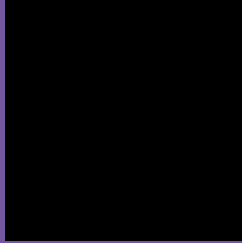
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7457A0 Background



This preview shows how black text looks on a background with the Hex color 7457A0.

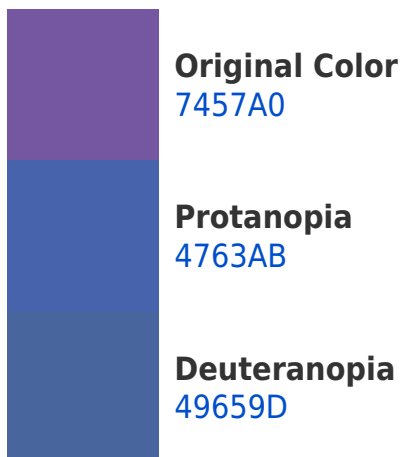



This preview shows how white text looks on a background with the Hex color 7457A0.

# 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**  
6A636B

# Trichromacy



**Original Color**  
7457A0

**Protanomaly**  
575FA7

**Deuteranomaly**  
59609E

**Tritanomaly**  
6E5F7E

# Monochromacy



**Original Color**  
7457A0

**Achromatopsia**  
686868

**Achromatomaly**  
6C627C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7457A0 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 #7457A0 looks like.

```
.text, #text, p{  
    color:#7457A0  
}
```

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 #7457A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7457A0
}
```

## Border

The CSS property to change the border of an element to Hex 7457A0 is called "border". The border property can be set on classes, ids or directly on the HTML element.

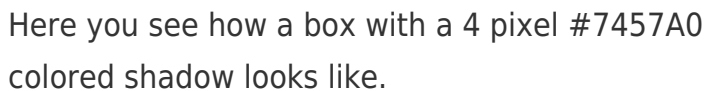
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7457A0 }
```

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

```
.border{ border-color:#7457A0 }
```

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



Here you see how a box with a 4 pixel #7457A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7457A0; -webkit-box-shadow:4px 4px  
4px 4px #7457A0; box-shadow:4px 4px 4px  
4px #7457A0 }
```

# Background

The CSS property to change the background color of an element to Hex 7457A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7457A0 }
```

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

```
.background{ background-color:#7457A0 }
```

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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