

# Converting Colors

Hex(72497A)

Have a look what the booklet for  
Hex(72497A) contains.

<b>Hex(72497A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(72497A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	72497A
RGB	114, 73, 122
RGB Percent	45%, 29%, 48%
CMY	0.5529, 0.7137, 0.5216
CMYK	0.07, 0.40, 0.00, 0.52
HSL	290°, 25%, 38%
HSV	290°, 40%, 48%
XYZ	12.8348, 9.7476, 19.6174
YIQ	90.8450, 8.7070, 23.9310

# Conversions

## Conversions Part 2

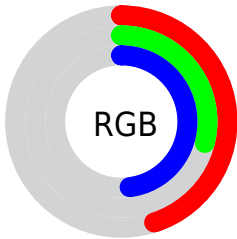
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 73, 122
Decimal	7489914
CIELab	37.39, 26.41, -20.92
CIELCh	37, 33.688, 321.621
Yxy	9.7476, 0.3041, 0.2310
Android (android.graphics.Color)	4285679994 (0xFF72497A)
YUV	90.8450, 15.3594, 20.3069
Hunter-Lab	31.2212, 18.7430, -15.3991

# Details

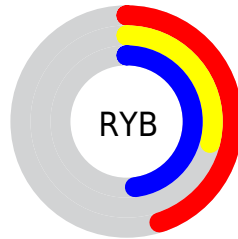
The Hex color **72497A** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **517A49**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **A77BAF**, and **411B49** is the 20% darker color. If you saturate the color by 10%, you get **703D7A**, and if you desaturate by 10%, it is **74557A**.

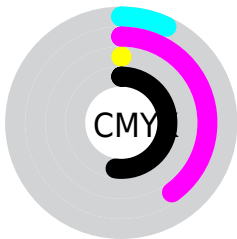
# Distribution



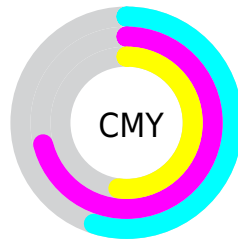
- Red (45%)
- Green (29%)
- Blue (48%)



- Red (45%)
- Yellow (29%)
- Blue (48%)



- Cyan (7%)
- Magenta (40%)
- Yellow (0%)
- Black (52%)



- Cyan (55%)
- Magenta (71%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 72497A 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 72497A by changing the saturation by 10% instead.



 72497A

 72497A

FFFFFF

 593261

 A77BAF

 411B49

 C295CA

 290532

 DEAFE6

 12001D

 FBCBFF

 000000

 FFE7FF

 72497A

 72497A

 703D7A

 74557A

 6E317A

 76617A

6C247A

786E7A

6A187A

7A7A7A

680C7A

7C867A

66007A

7E927A

809E7A

82AB7A

84B77A

# Harmonies

## Analogous

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



4D548B



72497A



864161

# Triad

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



72497A



6E5420



00656B

# Complementary

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



72497A



517A49

# 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.



00654F



72497A



545C23

# Square

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



72497A



814A2E



346235



006382

# Rectangle

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



72497A



8B414E



346235



006662



# Sweetspot

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



72497A



9B8B9E



49517A



4D444F



CFCFCF



4F4F4F



# Same Dimension

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



72497A



92529E



7A496A



3C373D



69007D



D300FC



# Inverse Universe

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



7A4951



9E525F



497A59



3D3738



7D0014

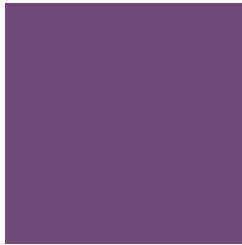


FC0029



# Previews

## White Background



This preview shows how the Hex color 72497A looks on a white background.

## Color Contrast Check

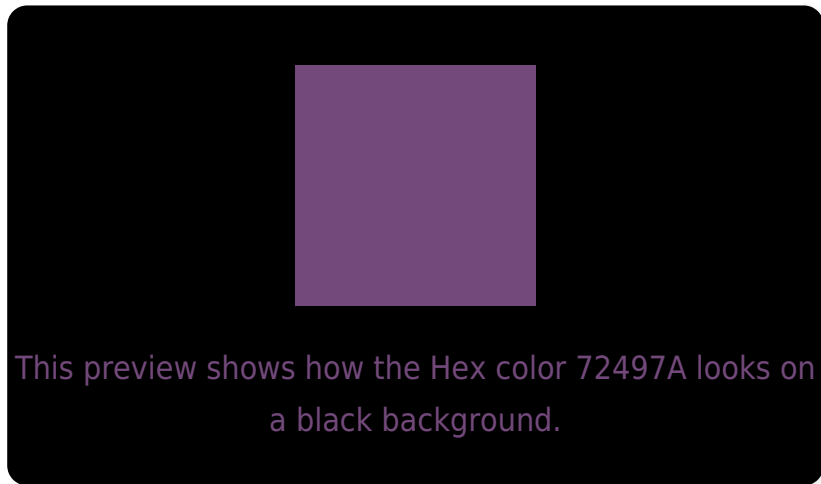
Large Text (above 18pt) WCAG AA ✓ Pass

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

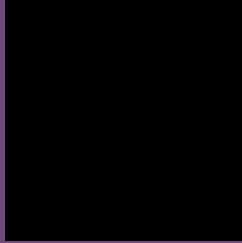
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 72497A Background



This preview shows how black text looks on a background with the Hex color 72497A.



This preview shows how white text looks on a background with the Hex color 72497A.

# 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**  
72497A

**Protanopia**  
485785

**Deuteranopia**  
4F5777



**Tritanopia**  
6D5157

# Trichromacy



**Original Color**  
72497A

**Protanomaly**  
575281

**Deuteranomaly**  
5C5278

**Tritanomaly**  
6F4E64

# Monochromacy



**Original Color**  
72497A

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
635466

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 72497A 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 #72497A looks like.

```
.text, #text, p{  
    color:#72497A  
}
```

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 #72497A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #72497A
}
```

## Border

The CSS property to change the border of an element to Hex 72497A is called "border". The border property can be set on classes, ids or directly on the HTML element.

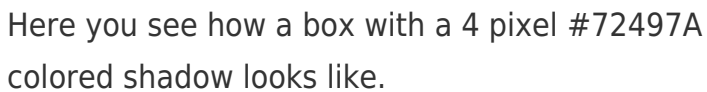
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#72497A }
```

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

```
.border{ border-color:#72497A }
```

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



Here you see how a box with a 4 pixel #72497A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #72497A; -webkit-box-shadow:4px 4px  
4px 4px #72497A; box-shadow:4px 4px 4px  
4px #72497A }
```

# Background

The CSS property to change the background color of an element to Hex 72497A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#72497A }
```

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

```
.background{ background-color:#72497A }
```

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