

Converting Colors

Hex(643A8D)

Have a look what the booklet for
Hex(643A8D) contains.

Hex(643A8D)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(643A8D)

Conversions

Conversions Part 1

Format	Color
Hex	643A8D
RGB	100, 58, 141
RGB Percent	39%, 23%, 55%
CMY	0.6078, 0.7725, 0.4471
CMYK	0.29, 0.59, 0.00, 0.45
HSL	270°, 42%, 39%
HSV	270°, 59%, 55%
XYZ	11.5763, 7.6585, 26.0674
YIQ	80.0200, -1.6110, 34.7170

Conversions

Conversions Part 2

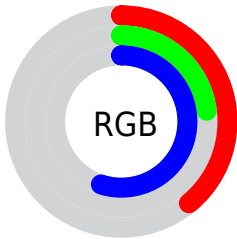
Format	Color
R_{YB}	100, 58, 141
Decimal	6568589
CIE Lab	33.26, 35.51, -39.25
CIE LCh	33, 52.933, 312.135
Yxy	7.6585, 0.2555, 0.1691
Android (android.graphics.Color)	4284758669 (0xFF643A8D)
YUV	80.0200, 30.0631, 17.5225
Hunter-Lab	27.6740, 26.2386, -36.4761

Details

The Hex color **643A8D** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **638D3A**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **996BC3**, and **310A5A** is the 20% darker color. If you saturate the color by 10%, you get **5D2C8D**, and if you desaturate by 10%, it is **6B488D**.

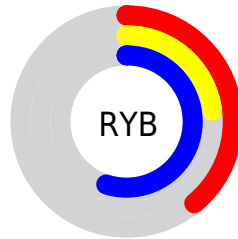
Distribution



Red (39%)

Green (23%)

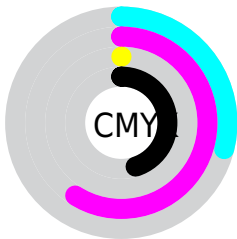
Blue (55%)



Red (39%)

Yellow (23%)

Blue (55%)

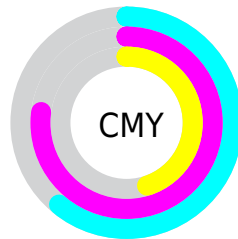


Cyan (29%)

Magenta (59%)

Yellow (0%)

Black (45%)



Cyan (61%)

Magenta (77%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 643A8D 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 643A8D by changing the saturation by 10% instead.

■ 643A8D

■ 643A8D

FFFFFF

■ 4A2373

■ 996BC3

■ 310A5A

■ B585DF

■ 190042

■ D19FFC

■ 00002B

■ EEBBFF

■ 000115

■ FFD7FF

■ 000000

■ FFF3FF

■ 643A8D

■ 643A8D

■ 5D2C8D

■ 6B488D

■ 561E8D

■ 72568D

■ 4F108D

■ 79648D

■ 48028D

■ 80728D

■ 47008D

■ 87818D

■ 8E8F8D

■ 959D8D

■ 9CAB8D

■ A3B98D

Harmonies

Analogous

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



004EA1



643A8D



8B2269

Triad

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



643A8D



744300



00605F

Complementary

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



643A8D



638D3A

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.



005F33



643A8D



505200

Square

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



643A8D



8D2E17



1D5B01



005F86

Rectangle

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



643A8D



96184D



1D5B01



006050

Sweetspot

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



643A8D



A797B8



3A648D



52485C



DBDBDB



5C5C5C

Same Dimension

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



643A8D



7735B8



8D3A8D



444047



440087



040008

Inverse Universe

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



8D3A63



B83576



3A8D3A



474044



870043



080004

Previews

White Background



This preview shows how the Hex color 643A8D looks on a white background.

Color Contrast Check

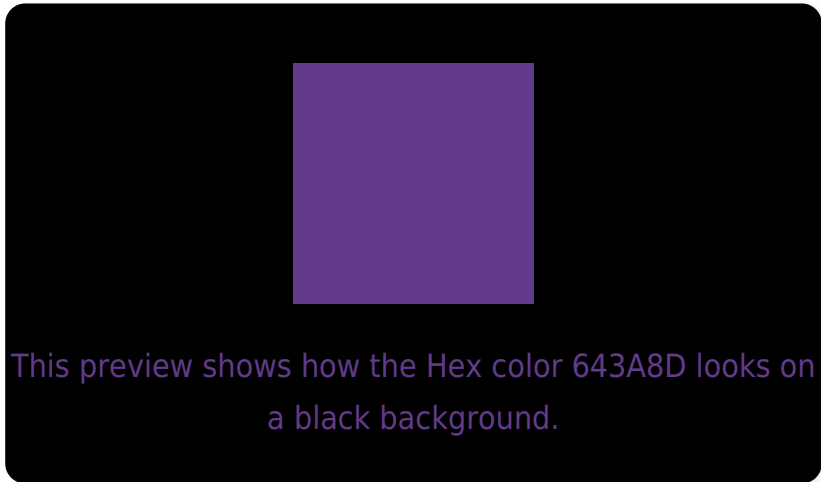
Large Text (above 18pt) WCAG AA ✓ Pass

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 643A8D Background



This preview shows how black text looks on a background with the Hex color 643A8D.

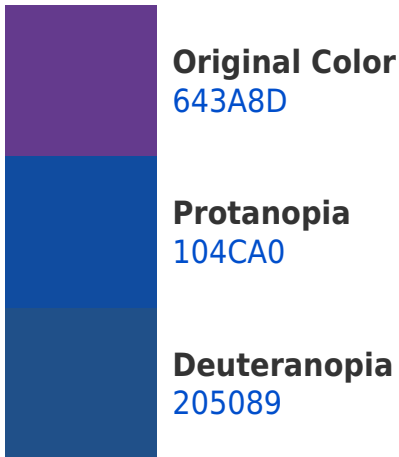


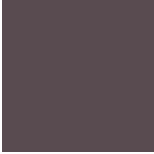
This preview shows how white text looks on a background with the Hex color 643A8D.

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](#).

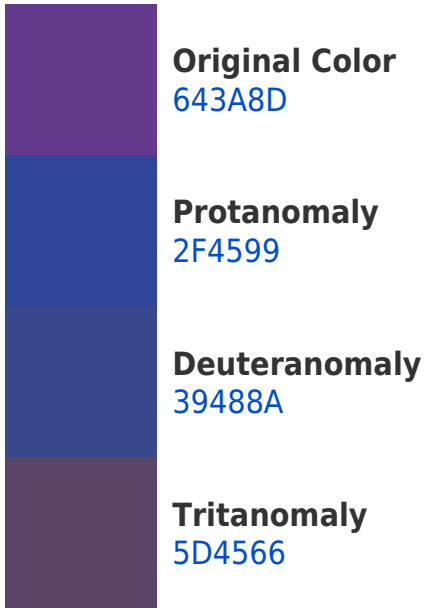
Dichromacy



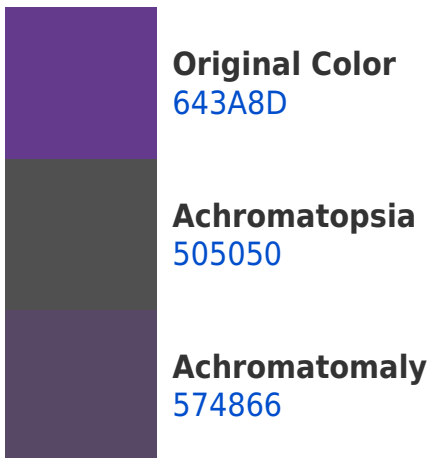


Tritanopia
594B50

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 643A8D 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 #643A8D looks like.

```
.text, #text, p{  
    color:#643A8D  
}
```

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 #643A8D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #643A8D
}
```

Border

The CSS property to change the border of an element to Hex 643A8D is called "border". The border property can be set on classes, ids or directly on the HTML element.

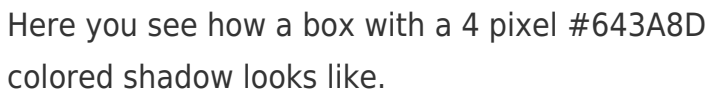
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#643A8D }
```

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

```
.border{ border-color:#643A8D }
```

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



Here you see how a box with a 4 pixel #643A8D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #643A8D; -webkit-box-shadow:4px 4px  
4px 4px #643A8D; box-shadow:4px 4px 4px  
4px #643A8D }
```

Background

The CSS property to change the background color of an element to Hex 643A8D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#643A8D }
```

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

```
.background{ background-color:#643A8D }
```

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