

Converting Colors

Hex(643C78)

Have a look what the booklet for
Hex(643C78) contains.

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Color

Hex(643C78)

Conversions

Conversions Part 1

Format	Color
Hex	643C78
RGB	100, 60, 120
RGB Percent	39%, 24%, 47%
CMY	0.6078, 0.7647, 0.5294
CMYK	0.17, 0.50, 0.00, 0.53
HSL	280°, 33%, 35%
HSV	280°, 50%, 47%
XYZ	10.2616, 7.2971, 18.6369
YIQ	78.8000, 4.5800, 27.1400

Conversions

Conversions Part 2

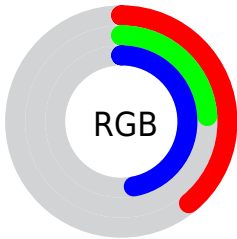
Format	Color
R_{YB}	100, 60, 120
Decimal	6569080
CIE _{Lab}	32.47, 29.14, -27.47
CIE _{LCh}	32, 40.049, 316.693
Yxy	7.2971, 0.2835, 0.2016
Android (android.graphics.Color)	4284759160 (0xFF643C78)
YUV	78.8000, 20.3116, 18.5924
Hunter-Lab	27.0132, 20.5342, -21.9962




Details

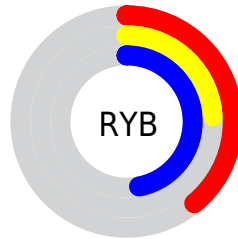
The Hex color **643C78** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **50783C**, and the grayscale version is **4F4F4F**.




A 20% lighter version of the original color is **986DAD**, and **330E47** is the 20% darker color. If you saturate the color by 10%, you get **603078**, and if you desaturate by 10%, it is **684878**.

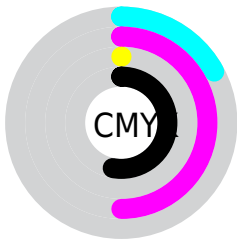
Distribution







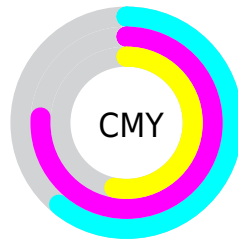
-  Red (39%)
-  Green (24%)
-  Blue (47%)






-  Red (39%)
-  Yellow (24%)
-  Blue (47%)



-  Cyan (17%)
-  Magenta (50%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (61%)
-  Magenta (76%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 643C78 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 643C78 by changing the saturation by 10% instead.

■ 643C78

■ 643C78

FFFFFF

■ 4B255F

■ 986DAD

■ 330E47

■ B386C8

■ 1E0030

■ CFA1E4

■ 00011B

■ ECBCFF

■ 000000

■ FFD8FF

■ FFF5FF

■ 643C78

■ 643C78

■ 603078

■ 684878

■ 5C2478

■ 6C5478

■ 581878

■ 706078

■ 540C78

■ 746C78

■ 500078

■ 787878

■ 7C8478

■ 809078

■ 849C78

■ 88A878

Harmonies

Analogous

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



2F4A89



643C78



7E305C

Triad

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



643C78



684607



005B5E

Complementary

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



643C78



50783C

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.



005A3D



643C78



4B5006

Square

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



643C78



7C391F



26571E



00597A

Rectangle

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



643C78



852D47



26571E



005B53

Sweetspot

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



643C78



94849C



3C5078



4A414F



CFCFCF



4F4F4F

Same Dimension

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



643C78



7C3E9C



783C6E



3B373D



53007D



A800FC

Inverse Universe

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



783C50



9C3E5D



3C7846



3D3739



7D002A



FC0054

Previews

White Background



This preview shows how the Hex color 643C78 looks on a white background.

Color Contrast Check

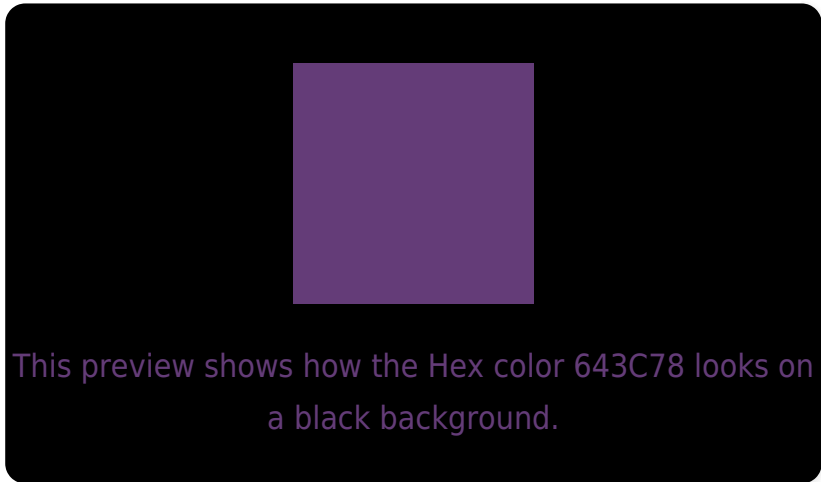
Large Text (above 18pt) WCAG AA ✓ Pass

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

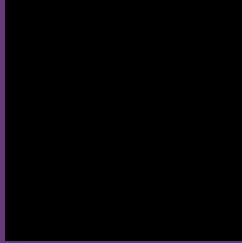
Any Text WCAG AA × Fail

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 643C78 Background



This preview shows how black text looks on a background with the Hex color 643C78.



This preview shows how white text looks on a background with the Hex color 643C78.

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
643C78

Protanopia
324B86

Deuteranopia
394D75



Tritanopia
5D474C

Trichromacy



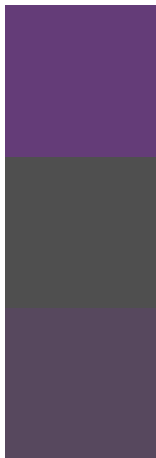
Original Color
643C78

Protanomaly
444681

Deuteranomaly
494776

Tritanomaly
60435C

Monochromacy



Original Color
643C78

Achromatopsia
4F4F4F

Achromatomaly
57485E

CSS Examples

Text

The CSS property to change the color of the text to Hex 643C78 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 #643C78 looks like.

```
.text, #text, p{  
    color:#643C78  
}
```

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 #643C78 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #643C78
}
```

Border

The CSS property to change the border of an element to Hex 643C78 is called "border". The border property can be set on classes, ids or directly on the HTML element.

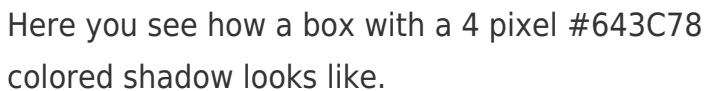
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#643C78 }
```

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

```
.border{ border-color:#643C78 }
```

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



Here you see how a box with a 4 pixel #643C78 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #643C78; -webkit-box-shadow:4px 4px  
4px 4px #643C78; box-shadow:4px 4px 4px  
4px #643C78 }
```

Background

The CSS property to change the background color of an element to Hex 643C78 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#643C78 }
```

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

```
.background{ background-color:#643C78 }
```

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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