

# Converting Colors

Hex(683A68)

Have a look what the booklet for  
Hex(683A68) contains.

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# Color

**Hex(683A68)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 683A68                    |
| RGB           | 104, 58, 104              |
| RGB Percent   | 41%, 23%, 41%             |
| CMY           | 0.5922, 0.7725, 0.5922    |
| CMYK          | 0.00, 0.44, 0.00, 0.59    |
| HSL           | 300°, 28%, 32%            |
| HSV           | 300°, 44%, 41%            |
| XYZ           | 9.7207, 6.9686, 13.9295   |
| YIQ           | 76.9980, 12.6500, 24.0580 |

# Conversions

## Conversions Part 2

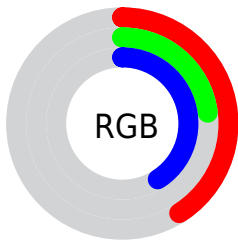
| <b>Format</b>                       | <b>Color</b>                                   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">104, 58, 104</a>                   |
| Decimal                             | <a href="#">6830696</a>                        |
| CIELab                              | <a href="#">31.74, 28.07, -18.47</a>           |
| CIELCh                              | <a href="#">32, 33.601, 326.649</a>            |
| Yxy                                 | <a href="#">6.9686, 0.3175,<br/>0.2276</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4285020776<br/>(0xFF683A68)</a>    |
| YUV                                 | <a href="#">76.9980, 13.3120,<br/>23.6808</a>  |
| Hunter-Lab                          | <a href="#">26.3982, 19.5326,<br/>-12.8066</a> |

# Details

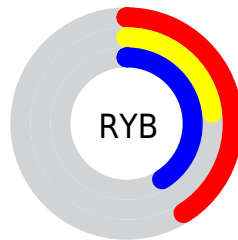
The Hex color **683A68** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **3A683A**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **9C6B9B**, and **370C39** is the 20% darker color. If you saturate the color by 10%, you get **683068**, and if you desaturate by 10%, it is **684468**.

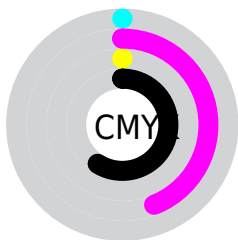
# Distribution



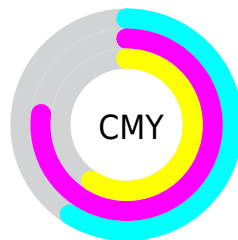
- Red (41%)
- Green (23%)
- Blue (41%)



- Red (41%)
- Yellow (23%)
- Blue (41%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (59%)



- Cyan (59%)
- Magenta (77%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 683A68 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 683A68 by changing the saturation by 10% instead.



 683A68

 683A68

FFFFFF

 4F2350

 9C6B9B

 370C39

 B884B6

 230023

 D49FD2

 00000A

 F0BAEE

 000000

 FFD6FF

 FFF2FF

 683A68

 683A68

 683068

 684468

682568

684F68

681B68

685968

681068

686468

680668

686E68

680068

687868

688368

688D68

689868

# Harmonies

## Analogous

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



46457A



683A68



79334F

# Triad

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



683A68



5C4812



005762

# Complementary

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



683A68



3A683A

# 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.



005747



683A68



425018

# Square

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



683A68



6F3E1F



1F552C



005576

# Rectangle

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



683A68



7B333D



1F552C



005859



# Sweetspot

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



683A68



877687



3A3A68



453A45



C4C4C4



454545



# Same Dimension

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



683A68



874087



683A51



332E33



730073



F200F2



# Inverse Universe

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



683A68



874087



3A6851



332E33



730073

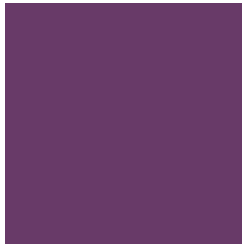


F200F2



# Previews

## White Background



This preview shows how the Hex color 683A68 looks on a white background.

## Color Contrast Check

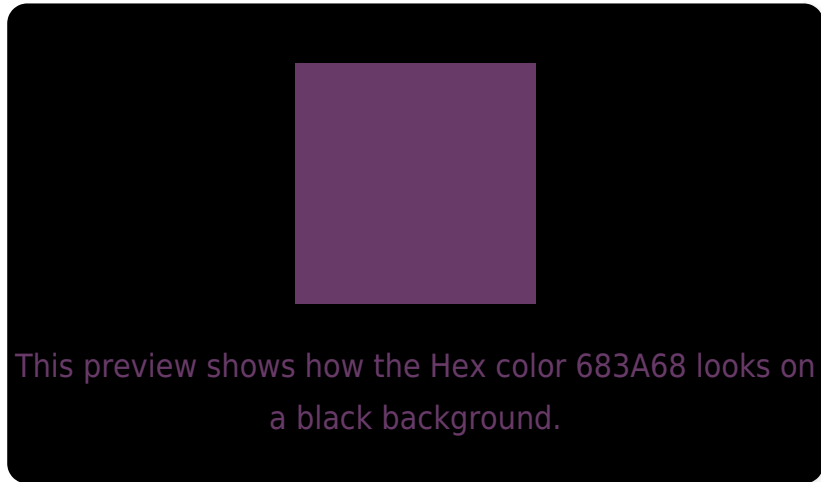
Large Text (above 18pt) WCAG AA ✓ Pass

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

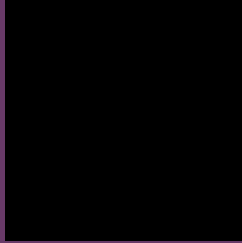
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 683A68 Background



This preview shows how black text looks on a background with the Hex color 683A68.



This preview shows how white text looks on a background with the Hex color 683A68.

# 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**  
683A68

**Protanopia**  
3B4A75

**Deuteranopia**  
444A65



**Tritanopia**  
644247

# Trichromacy



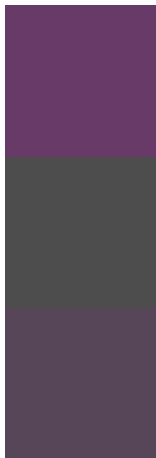
**Original Color**  
683A68

**Protanomaly**  
4B4470

**Deuteranomaly**  
514466

**Tritanomaly**  
653F53

# Monochromacy



**Original Color**  
683A68

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
574657

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 683A68 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 #683A68 looks like.

```
.text, #text, p{  
    color:#683A68  
}
```

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 #683A68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #683A68
}
```

## Border

The CSS property to change the border of an element to Hex 683A68 is called "border". The border property can be set on classes, ids or directly on the HTML element.

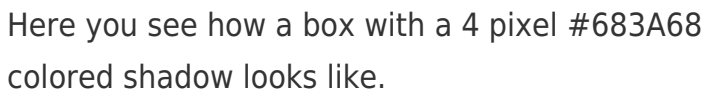
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#683A68 }
```

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

```
.border{ border-color:#683A68 }
```

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



Here you see how a box with a 4 pixel #683A68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #683A68; -webkit-box-shadow:4px 4px  
4px 4px #683A68; box-shadow:4px 4px 4px  
4px #683A68 }
```

# Background

The CSS property to change the background color of an element to Hex 683A68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#683A68 }
```

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

```
.background{ background-color:#683A68 }
```

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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