

# Converting Colors

Hex(683AAB)

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

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# Color

**Hex(683AAB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	683AAB
RGB	104, 58, 171
RGB Percent	41%, 23%, 67%
CMY	0.5922, 0.7725, 0.3294
CMYK	0.39, 0.66, 0.00, 0.33
HSL	264°, 49%, 45%
HSV	264°, 66%, 67%
XYZ	14.5727, 8.9094, 39.4797
YIQ	84.6360, -8.8570, 44.8950

# Conversions

## Conversions Part 2

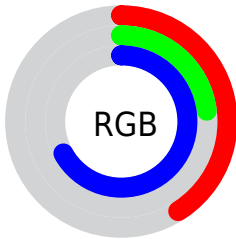
Format	Color
<a href="#">RYB</a>	<a href="#">104, 58, 171</a>
Decimal	<a href="#">6830763</a>
CIELab	<a href="#">35.81, 44.29, -53.29</a>
CIElCh	<a href="#">36, 69.295, 309.734</a>
Yxy	<a href="#">8.9094, 0.2315, 0.1415</a>
Android (android.graphics.Color)	<a href="#">4285020843 (0xFF683AAB)</a>
YUV	<a href="#">84.6360, 42.5775, 16.9822</a>
Hunter-Lab	<a href="#">29.8487, 34.9117, -57.5265</a>

# Details

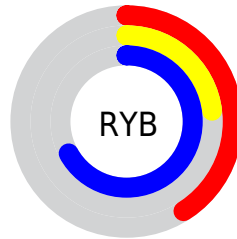
The Hex color **683AAB** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **7DAB3A**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **A06CE3**, and **300676** is the 20% darker color. If you saturate the color by 10%, you get **5E29AB**, and if you desaturate by 10%, it is **724BAB**.

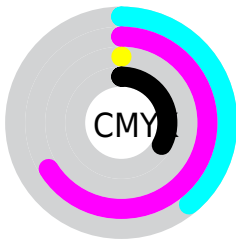
# Distribution



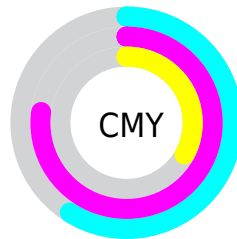
- Red (41%)
- Green (23%)
- Blue (67%)



- Red (41%)
- Yellow (23%)
- Blue (67%)



- Cyan (39%)
- Magenta (66%)
- Yellow (0%)
- Black (33%)



- Cyan (59%)
- Magenta (77%)
- Yellow (33%)

# Brightness & Saturation Gradients

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



683AAB

683AAB

FFFFFF

4C2190

A06CE3

300676

BC86FF

0E005C

D9A1FF

000044

F7BCFF

00032D

FFD9FF

000117

FFF5FF

000000

683AAB

683AAB

5E29AB

724BAB

■ 5418AB

■ 7C5CAB

■ 4A07AB

■ 866DAB

■ 4600AB

■ 917EAB

■ 9B8FAB

■ A5A1AB

■ AFB2AB

■ B9C3AB

■ C3D4AB

# Harmonies

## Analogous

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



0056C4



683AAB



A1007C

# Triad

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



683AAB



854300



006A66

# Complementary

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



683AAB



7DAB3A

# 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.



00682A



683AAB



585800

# Square

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



683AAB



A51C0D



056300



006A9B

# Rectangle

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



683AAB



B00057



056300



006A52



# Sweetspot

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



683AAB



C4B1DE



3A7EAB



605570



F0F0F0



707070



# Same Dimension

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



683AAB



762FDE



A03AAB



524E57



3D0096



090017



# Inverse Universe

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



AB3A7D



DE2F97



45AB3A



574E53



960059

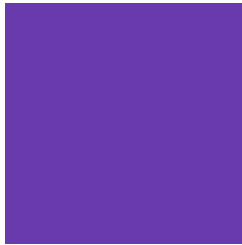


17000E



# Previews

## White Background



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

## Color Contrast Check

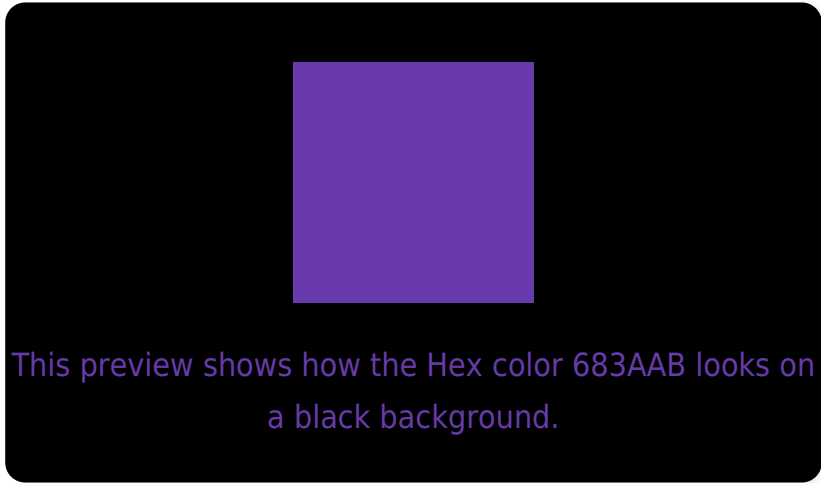
Large Text (above 18pt) WCAG AA ✓ Pass

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

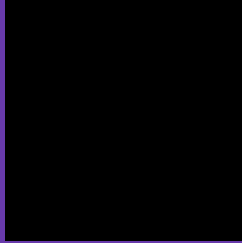
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 683AAB Background



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

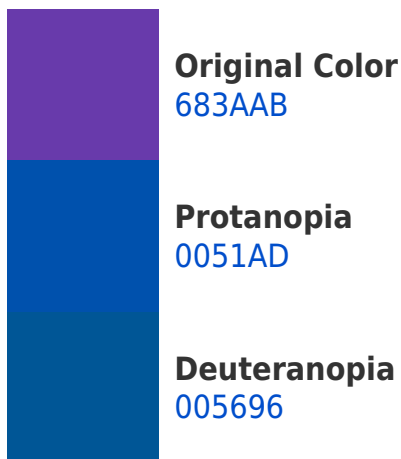


This preview shows how white text looks on a background with the Hex color 683AAB.

# 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**  
56535A

# Trichromacy



**Original Color**  
683AAB



**Protanomaly**  
2649AC



**Deuteranomaly**  
264C9E



**Tritanomaly**  
5D4A77

# Monochromacy



**Original Color**  
683AAB



**Achromatopsia**  
555555



**Achromatomaly**  
5C4B74

# CSS Examples

## Text

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

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

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 #683AAB colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Hex 683AAB 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
#683AAB }
```

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

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

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

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

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

# Background

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

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

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

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

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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