

# Converting Colors

Hex(678AAB)

Have a look what the booklet for  
Hex(678AAB) contains.

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# Color

**Hex(678AAB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	678AAB
RGB	103, 138, 171
RGB Percent	40%, 54%, 67%
CMY	0.5961, 0.4588, 0.3294
CMYK	0.40, 0.19, 0.00, 0.33
HSL	209°, 29%, 54%
HSV	209°, 40%, 67%
XYZ	22.0327, 24.0008, 41.9994
YIQ	131.2970, -31.4530, 2.8430

# Conversions

## Conversions Part 2

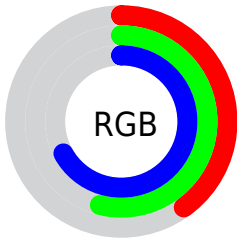
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 126, 171
Decimal	6785707
CIELab	56.09, -3.58, -21.30
CIELCh	56, 21.596, 260.459
Yxy	24.0008, 0.2503, 0.2726
Android (android.graphics.Color)	4284975787 (0xFF678AAB)
YUV	131.2970, 19.5736, -24.8165
Hunter-Lab	48.9906, -5.4563, -16.5356

# Details

The Hex color **678AAB** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **AB8867**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **9CBFE2**, and **335877** is the 20% darker color. If you saturate the color by 10%, you get **5682AB**, and if you desaturate by 10%, it is **7892AB**.

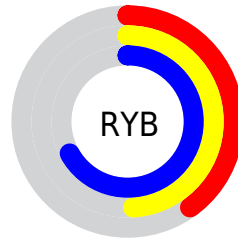
# Distribution



Red (40%)

Green (54%)

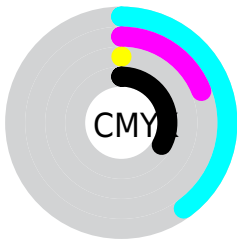
Blue (67%)



Red (40%)

Yellow (49%)

Blue (67%)

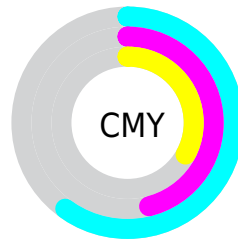


Cyan (40%)

Magenta (19%)

Yellow (0%)

Black (33%)



Cyan (60%)

Magenta (46%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 678AAB 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 678AAB by changing the saturation by 10% instead.



■ 678AAB

■ 678AAB

FFFFFF

■ 4D7190

■ 9CBFE2

■ 335877

■ B8DBFF

■ 18415E

■ D4F8FF

■ 002B46

■ F1FFFF

■ 001730

■ 00011B

■ 000000

■ 678AAB

■ 678AAB

■ 5682AB

■ 7892AB

4579AB

899BAB

3471AB

9AA3AB

2369AB

ABABAB

1161AB

BCB3AB

0058AB

CEBCAB

DFC4AB

F0CCAB

FFD5AB

# Harmonies

## Analogous

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



538FA3



678AAB



8184A9

# Triad

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



678AAB



AD797A



718E6E

# Complementary

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



678AAB



AB8867

# 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.



878963



678AAB



A77D6A

# Square

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



678AAB



A8798D



9A8362



5D9180

# Rectangle

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



678AAB



927FA3



9A8362



798D69



# Sweetspot

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



678AAB



C3D1DE



67AB88



606970



F0F0F0



707070



# Same Dimension

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



678AAB



73AADE



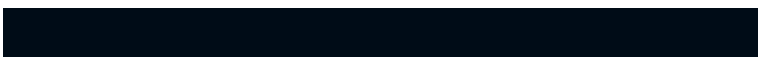
6768AB



4E5257



004D96



000C17



# Inverse Universe

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



AB678A



DE73AA



ABAA67



574E52



96004D



17000C



# Previews

## White Background



This preview shows how the Hex color 678AAB looks on a white background.

## Color Contrast Check

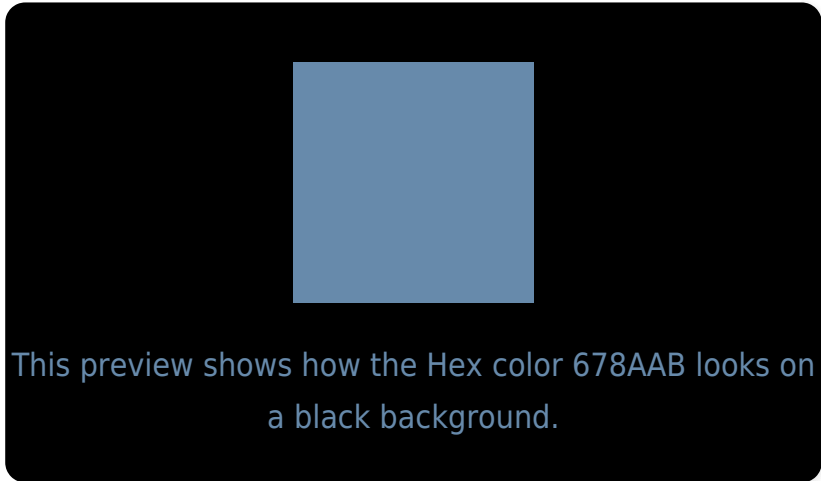
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

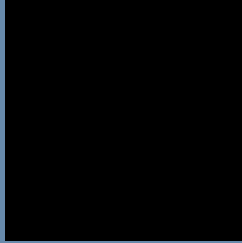
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

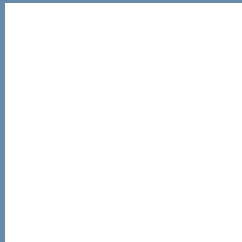
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 678AAB Background



This preview shows how black text looks on a background with the Hex color 678AAB.

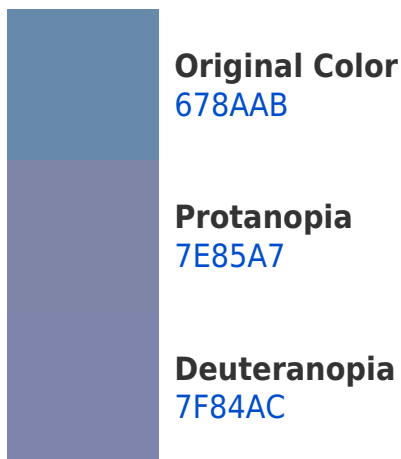


This preview shows how white text looks on a background with the Hex color 678AAB.

# 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](#).

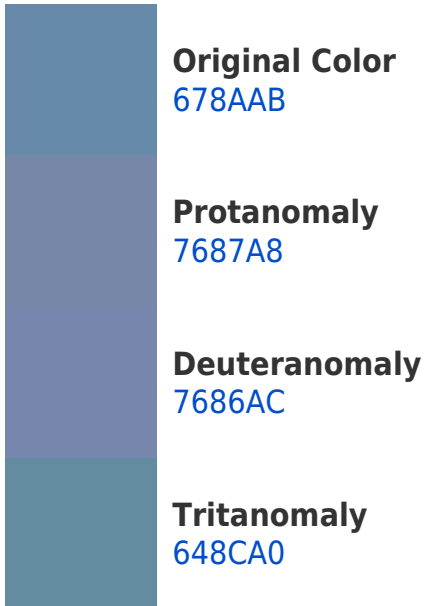
## Dichromacy





**Tritanopia**  
628D99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 678AAB 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 #678AAB looks like.

```
.text, #text, p{  
    color:#678AAB  
}
```

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 #678AAB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #678AAB
}
```

## Border

The CSS property to change the border of an element to Hex 678AAB 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
#678AAB }
```

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

```
.border{ border-color:#678AAB }
```

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

Here you see how a box with a 4 pixel #678AAB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #678AAB; -webkit-box-shadow:4px 4px  
4px 4px #678AAB; box-shadow:4px 4px 4px  
4px #678AAB }
```

# Background

The CSS property to change the background color of an element to Hex 678AAB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#678AAB }
```

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

```
.background{ background-color:#678AAB }
```

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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