

# Converting Colors

Hex(689AB5)

Have a look what the booklet for  
Hex(689AB5) contains.

<b>Hex(689AB5)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(689AB5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	689AB5
RGB	104, 154, 181
RGB Percent	41%, 60%, 71%
CMY	0.5922, 0.3961, 0.2902
CMYK	0.43, 0.15, 0.00, 0.29
HSL	201°, 34%, 56%
HSV	201°, 43%, 71%
XYZ	25.6050, 29.3905, 48.0395
YIQ	142.1280, -38.4670, -2.2030

# Conversions

## Conversions Part 2

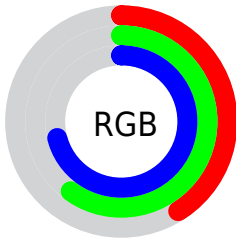
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 134, 181
Decimal	6855349
CIELab	61.12, -9.51, -19.28
CIElCh	61, 21.501, 243.746
Yxy	29.3905, 0.2485, 0.2852
Android (android.graphics.Color)	4285045429 (0xFF689AB5)
YUV	142.1280, 19.1639, -33.4383
Hunter-Lab	54.2130, -10.5664, -14.5893

# Details

The Hex color **689AB5** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B58368**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **9ED0ED**, and **326780** is the 20% darker color. If you saturate the color by 10%, you get **5694B5**, and if you desaturate by 10%, it is **7AA0B5**.

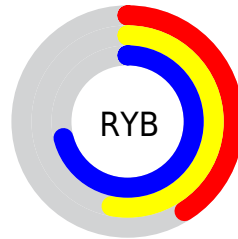
# Distribution



Red (41%)

Green (60%)

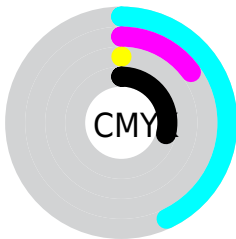
Blue (71%)



Red (41%)

Yellow (53%)

Blue (71%)

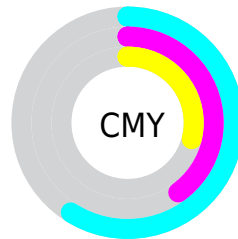


Cyan (43%)

Magenta (15%)

Yellow (0%)

Black (29%)



Cyan (59%)

Magenta (40%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 689AB5 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 689AB5 by changing the saturation by 10% instead.



 689AB5

 689AB5

FFFFFF

 4D809A

 9ED0ED

 326780

 BAEDFF

 144F67

 D7FFFF

 00384F

 F4FFFF

 002338

 000A23

 00000A

 000000

 689AB5

 689AB5

■ 5694B5

■ 7AA0B5

■ 448DB5

■ 8CA7B5

■ 3287B5

■ 9EADB5

■ 2081B5

■ B0B3B5

■ 0D7AB5

■ C3BAB5

■ 0076B5

■ D5C0B5

■ E7C6B5

■ F9CDB5

■ FFD3B5

# Harmonies

## Analogous

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



5D9DA8



689AB5



8094B9

# Triad

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



689AB5



B98692



8A9974

# Complementary

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



689AB5



B58368

# 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.



9F936E



689AB5



B9887F

# Square

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



689AB5



AE88A5



B08D72



759D82

# Rectangle

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



689AB5



9190B6



B08D72



929771



# Sweetspot

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



689AB5



CCE0EB



68B583



636F75



F5F5F5



757575



# Same Dimension

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



689AB5



73C1EB



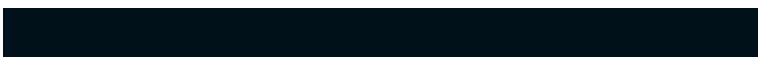
6874B5



505659



006399



00111A



# Inverse Universe

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



B5689A



EB73C1



B5A968



595056



990063



1A0011



# Previews

## White Background



This preview shows how the Hex color 689AB5 looks on a white background.

## Color Contrast Check

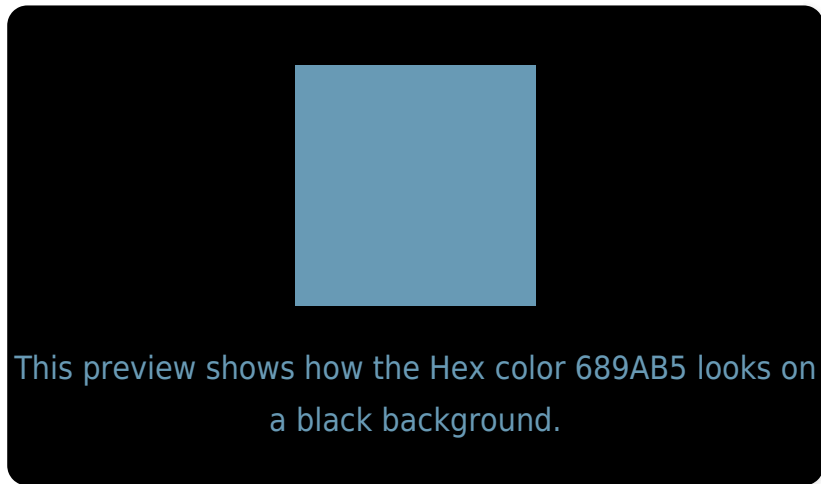
Large Text (above 18pt) WCAG AA ✓ Pass

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

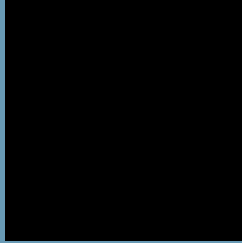
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

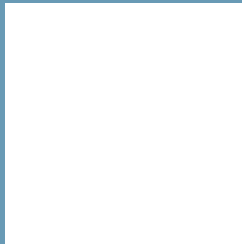
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 689AB5 Background



This preview shows how black text looks on a background with the Hex color 689AB5.

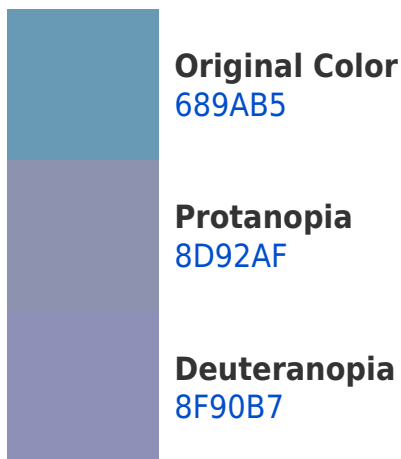


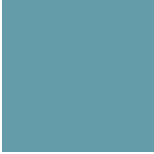
This preview shows how white text looks on a background with the Hex color 689AB5.

# 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](#).

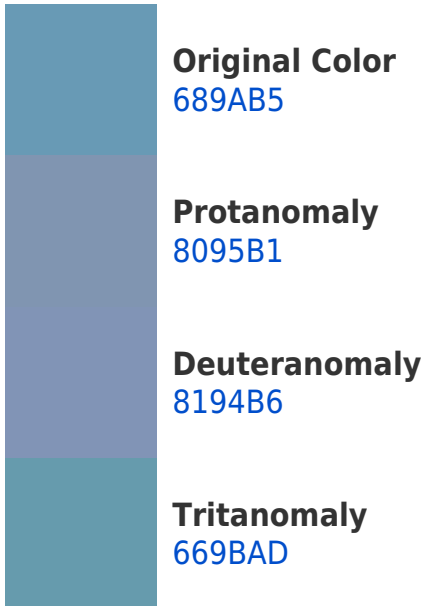
## Dichromacy



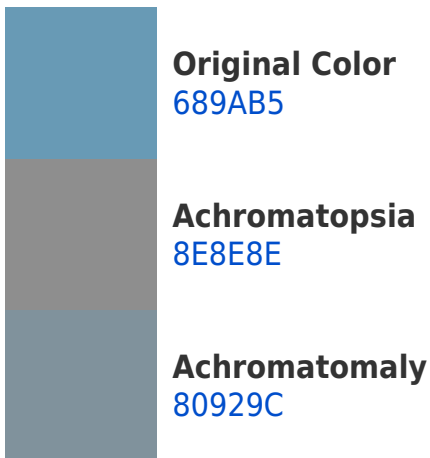


**Tritanopia**  
659CA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 689AB5 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 #689AB5 looks like.

```
.text, #text, p{  
    color:#689AB5  
}
```

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 #689AB5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #689AB5
}
```

## Border

The CSS property to change the border of an element to Hex 689AB5 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
#689AB5 }
```

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

```
.border{ border-color:#689AB5 }
```

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

Here you see how a box with a 4 pixel #689AB5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #689AB5; -webkit-box-shadow:4px 4px  
4px 4px #689AB5; box-shadow:4px 4px 4px  
4px #689AB5 }
```

# Background

The CSS property to change the background color of an element to Hex 689AB5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#689AB5 }
```

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

```
.background{ background-color:#689AB5 }
```

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