

# Converting Colors

Hex(649BAE)

Have a look what the booklet for  
Hex(649BAE) contains.

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# Color

**Hex(649BAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	649BAE
RGB	100, 155, 174
RGB Percent	39%, 61%, 68%
CMY	0.6078, 0.3922, 0.3176
CMYK	0.43, 0.11, 0.00, 0.32
HSL	195°, 31%, 54%
HSV	195°, 43%, 68%
XYZ	24.6169, 29.2080, 44.3847
YIQ	140.7210, -38.8790, -5.7510

# Conversions

## Conversions Part 2

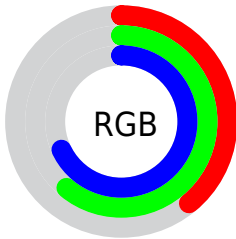
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 132, 174
Decimal	6593454
CIELab	60.96, -13.03, -15.60
CIElCh	61, 20.323, 230.120
Yxy	29.2080, 0.2507, 0.2974
Android (android.graphics.Color)	4284783534 (0xFF649BAE)
YUV	140.7210, 16.4065, -35.7123
Hunter-Lab	54.0444, -13.2723, -10.8615

# Details

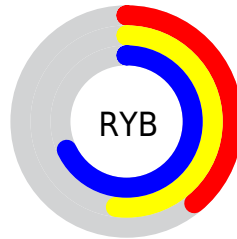
The Hex color **649BAE** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **AE7764**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **9AD1E5**, and **2E687A** is the 20% darker color. If you saturate the color by 10%, you get **5397AE**, and if you desaturate by 10%, it is **759FAE**.

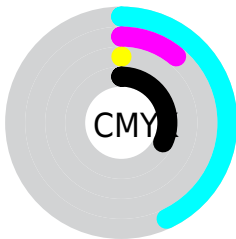
# Distribution



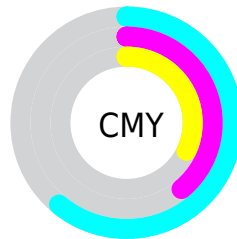
- Red (39%)
- Green (61%)
- Blue (68%)



- Red (39%)
- Yellow (52%)
- Blue (68%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (32%)



- Cyan (61%)
- Magenta (39%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 649BAE 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 649BAE by changing the saturation by 10% instead.



649BAE

649BAE

FFFFFF

498193

9AD1E5

2E687A

B6EEFF

0E5061

D2FFFF

003949

FFFFFF

002332

00081E

000000

649BAE

649BAE

5397AE

759FAE

4192AE

87A4AE

308EAE

98A8AE

1E89AE

AAADAE

0D85AE

BBB1AE

0081AE

CCB6AE

DEBAAE

EFBFAE

FFC3AE

# Harmonies

## Analogous

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



619D9F



649BAE



7697B6

# Triad

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



649BAE



B3879A



949671

# Complementary

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



649BAE



AE7764

# 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.



A69070



649BAE



B88788

# Square

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



649BAE



A48BAA



B38A78



7F9A7C

# Rectangle

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



649BAE



8693B6



B38A78



9A9470



# Sweetspot

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



649BAE



C5DBE3



64AE77



606E73



F2F2F2



737373



# Same Dimension

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



649BAE



6FC5E3



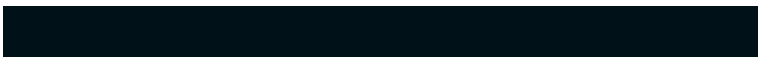
6477AE



4E5457



007096



001117



# Inverse Universe

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



AE649B



E36FC5



AE9C64



574E54



960070



170011



# Previews

## White Background



This preview shows how the Hex color 649BAE looks on a white background.

## Color Contrast Check

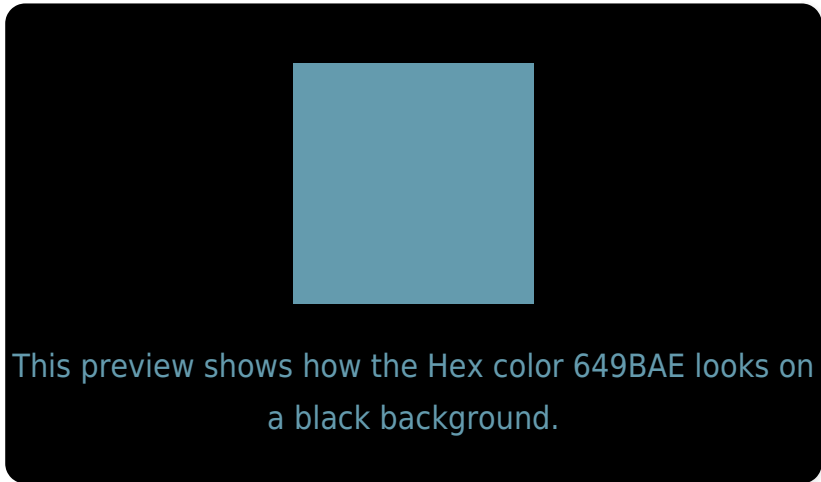
Large Text (above 18pt) WCAG AA ✓ Pass

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

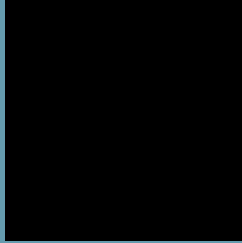
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 649BAE Background



This preview shows how black text looks on a background with the Hex color 649BAE.

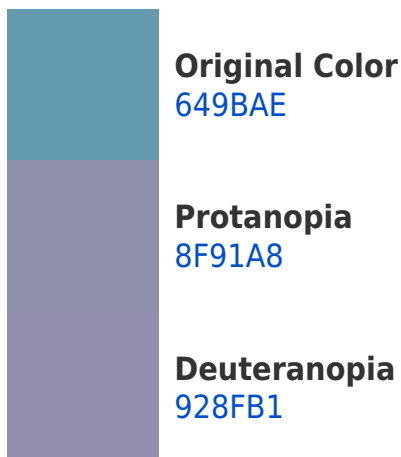


This preview shows how white text looks on a background with the Hex color 649BAE.

# 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](#).

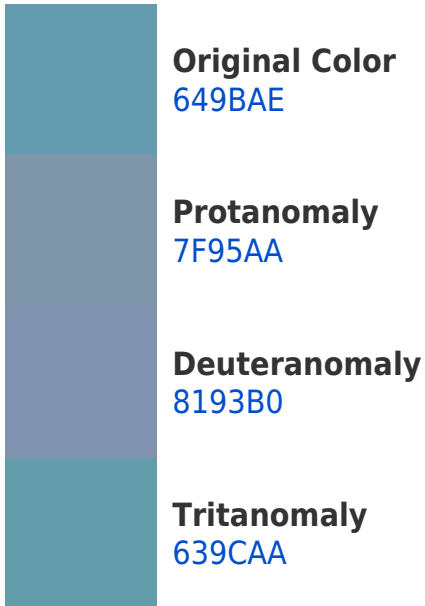
## Dichromacy



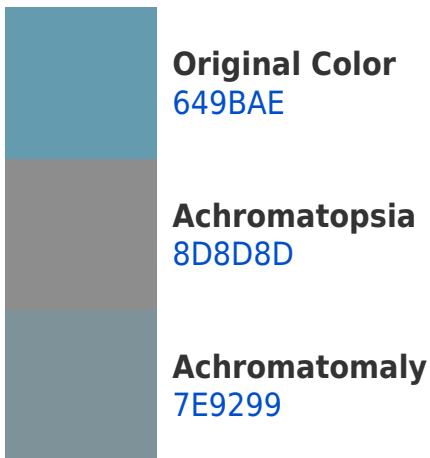


**Tritanopia**  
629CA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 649BAE 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 #649BAE looks like.

```
.text, #text, p{  
    color:#649BAE  
}
```

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 #649BAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #649BAE
}
```

## Border

The CSS property to change the border of an element to Hex 649BAE 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
#649BAE }
```

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

```
.border{ border-color:#649BAE }
```

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

Here you see how a box with a 4 pixel #649BAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #649BAE; -webkit-box-shadow:4px 4px  
4px 4px #649BAE; box-shadow:4px 4px 4px  
4px #649BAE }
```

# Background

The CSS property to change the background color of an element to Hex 649BAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#649BAE }
```

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

```
.background{ background-color:#649BAE }
```

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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