

# Converting Colors

Hex(649D99)

Have a look what the booklet for  
Hex(649D99) contains.

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# Color

**Hex(649D99)**

# Conversions

## Conversions Part 1

Format	Color
Hex	649D99
RGB	100, 157, 153
RGB Percent	39%, 62%, 60%
CMY	0.6078, 0.3843, 0.4000
CMYK	0.36, 0.00, 0.03, 0.38
HSL	176°, 23%, 50%
HSV	176°, 36%, 62%
XYZ	23.0623, 29.1232, 34.5428
YIQ	139.5010, -32.6880, -13.3280

# Conversions

## Conversions Part 2

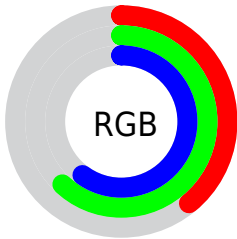
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 130, 157
Decimal	6593945
CIELab	60.89, -19.56, -3.84
CIELCh	61, 19.937, 191.091
Yxy	29.1232, 0.2659, 0.3358
Android (android.graphics.Color)	4284784025 (0xFF649D99)
YUV	139.5010, 6.6550, -34.6424
Hunter-Lab	53.9659, -18.1585, -0.1746

# Details

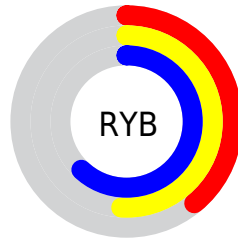
The Hex color **649D99** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9D6468**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **99D4CF**, and **306966** is the 20% darker color. If you saturate the color by 10%, you get **549D98**, and if you desaturate by 10%, it is **749D9A**.

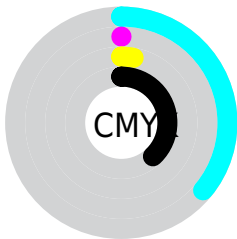
# Distribution



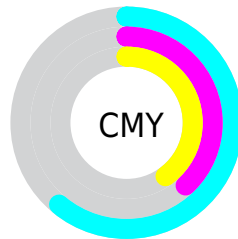
- Red (39%)
- Green (62%)
- Blue (60%)



- Red (39%)
- Yellow (51%)
- Blue (62%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (38%)



- Cyan (61%)
- Magenta (38%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 649D99 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 649D99 by changing the saturation by 10% instead.





649D99



649D99

FFFFFF



4A837F



99D4CF



306966



B5F0EB



14514E



D1FFFF



003A37



EEEFFF



002422



00070C



000000



649D99



649D99



549D98



749D9A

459D97

839D9B

359D96

939D9C

259D95

A39D9D

169D93

B39D9F

069D92

C29DA0

009D92

D29DA1

E29DA2

F19DA3

# Harmonies

## Analogous

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



729C87



649D99



629CA9

# Triad

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



649D99



9E8CAD



AA8E72

# Complementary

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



649D99



9D6468

# 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.



B5897D



649D99



AF889F

# Square

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



649D99



8792B5



B7868D



999470

# Rectangle

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



649D99



6A99B1



B7868D



AF8C75



# Sweetspot

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



649D99



B6CCCA



699D64



596665



E6E6E6



666666



# Same Dimension

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



649D99



72CCC6



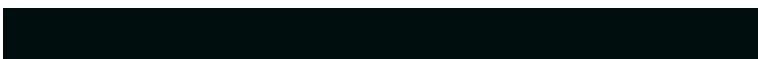
64859D



474F4E



008F85



000F0E



# Inverse Universe

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



9D6468



CC7279



9D7C64



4F4748



8F000A



0F0001



# Previews

## White Background



This preview shows how the Hex color 649D99 looks on a white background.

## Color Contrast Check

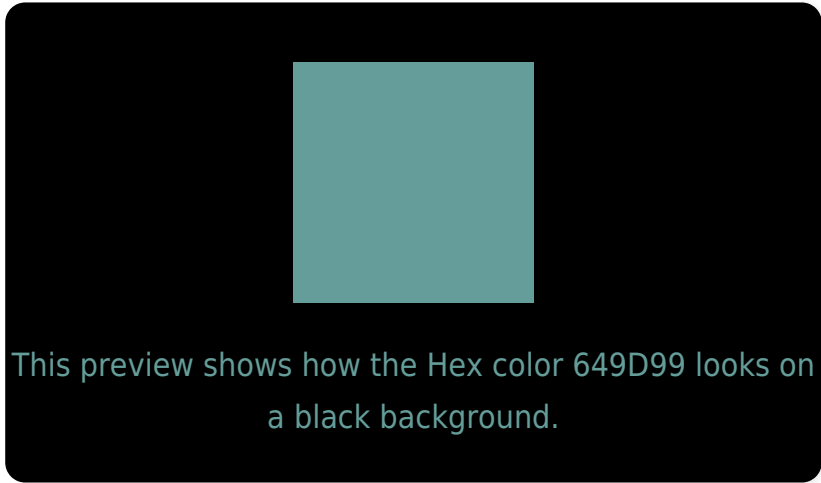
Large Text (above 18pt) WCAG AA ✓ Pass

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 649D99 Background



This preview shows how black text looks on a background with the Hex color 649D99.

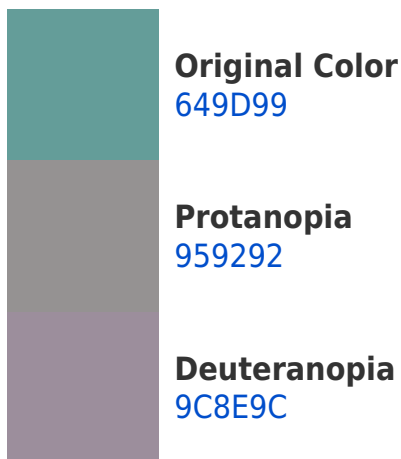


This preview shows how white text looks on a background with the Hex color 649D99.

# 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**  
689BA7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 649D99 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 #649D99 looks like.

```
.text, #text, p{  
    color:#649D99  
}
```

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 #649D99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #649D99
}
```

## Border

The CSS property to change the border of an element to Hex 649D99 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
#649D99 }
```

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

```
.border{ border-color:#649D99 }
```

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

Here you see how a box with a 4 pixel #649D99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #649D99; -webkit-box-shadow:4px 4px  
4px 4px #649D99; box-shadow:4px 4px 4px  
4px #649D99 }
```

# Background

The CSS property to change the background color of an element to Hex 649D99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#649D99 }
```

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

```
.background{ background-color:#649D99 }
```

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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