

# Converting Colors

Hex(649D63)

Have a look what the booklet for  
Hex(649D63) contains.

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**Color**

**Hex(649D63)**

# Conversions

## Conversions Part 1

Format	Color
Hex	649D63
RGB	100, 157, 99
RGB Percent	39%, 62%, 39%
CMY	0.6078, 0.3843, 0.6118
CMYK	0.36, 0.00, 0.37, 0.38
HSL	119°, 23%, 50%
HSV	119°, 37%, 62%
XYZ	19.5646, 27.7241, 16.1245
YIQ	133.3450, -15.3540, -30.1220

# Conversions

## Conversions Part 2

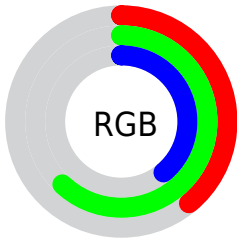
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 157, 156
Decimal	6593891
CIELab	59.64, -30.81, 24.60
CIELCh	60, 39.423, 141.394
Yxy	27.7241, 0.3085, 0.4372
Android (android.graphics.Color)	4284783971 (0xFF649D63)
YUV	133.3450, -16.9321, -29.2436
Hunter-Lab	52.6537, -25.8184, 18.7008

# Details

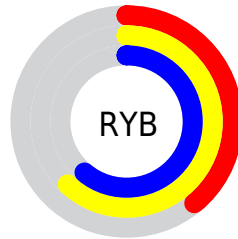
The Hex color **649D63** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9C639D**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **99D496**, and **316933** is the 20% darker color. If you saturate the color by 10%, you get **559D53**, and if you desaturate by 10%, it is **739D73**.

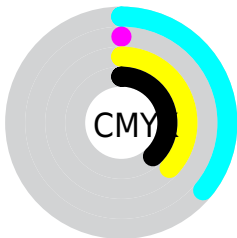
# Distribution



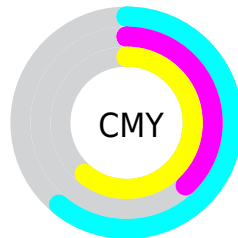
- Red (39%)
- Green (62%)
- Blue (39%)



- Red (39%)
- Yellow (62%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (38%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 649D63 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 649D63 by changing the saturation by 10% instead.



 649D63

 649D63

FFFFFF

 4A834B

 99D496

 316933

 B4F0B1

 16511D

 D1FFCD

 003906

 EDFFE9

 002400

 000000

 649D63

 649D63

 559D53

 739D73

 459D44

 839D82

 369D34

 929D92

 269D24

 A29DA2

 179D14

 B19DB2

 079D05

 C19DC1

 039D00

 D09DD1

 DF9DE1

 EF9DF0

# Harmonies

## Analogous

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



8C954D



649D63



2CA184

# Triad

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



649D63



4196D4



D27578

# Complementary

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



649D63



9C639D

# 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.



CB749B



649D63



848AD0

# Square

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



649D63



009EC5



B17DBB



C77E5B

# Rectangle

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



649D63



00A29C



B17DBB



D27484



# Sweetspot

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



649D63



B6CCB6



9D9B63



596659



E6E6E6



666666



# Same Dimension

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



649D63



74CC72



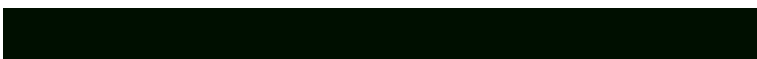
639D7E



474F47



028F00



000F00



# Inverse Universe

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



9C639D



CA72CC



9D6382



4F474F



8C008F



0F000F



# Previews

## White Background



This preview shows how the Hex color 649D63 looks on a white background.

## Color Contrast Check

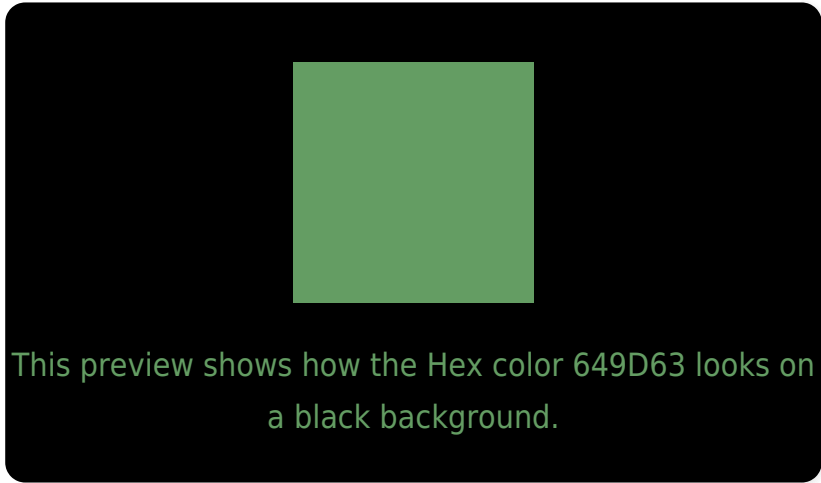
Large Text (above 18pt) WCAG AA ✓ Pass

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

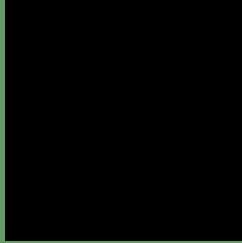
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 649D63 Background



This preview shows how black text looks on a background with the Hex color 649D63.

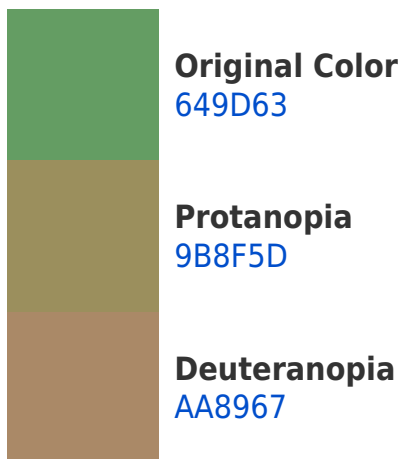


This preview shows how white text looks on a background with the Hex color 649D63.

# 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](#).

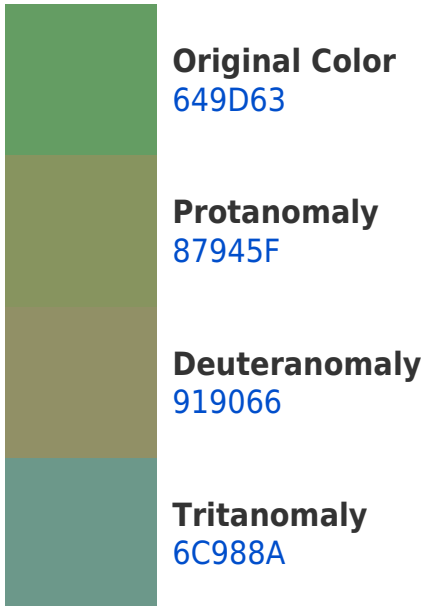
## Dichromacy



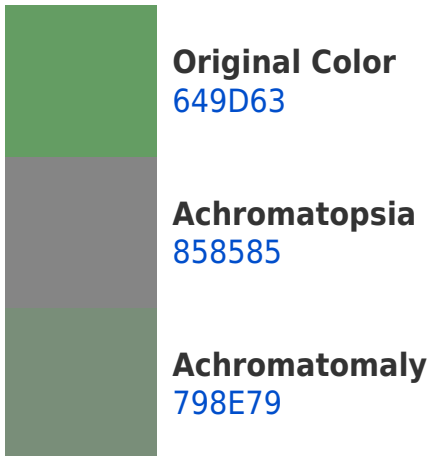


**Tritanopia**  
7095A1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 649D63 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 #649D63 looks like.

```
.text, #text, p{  
    color:#649D63  
}
```

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 #649D63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #649D63  
}
```

## Border

The CSS property to change the border of an element to Hex 649D63 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  
#649D63 }
```

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

```
.border{ border-color:#649D63 }
```

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

Here you see how a box with a 4 pixel #649D63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #649D63; -webkit-box-shadow:4px 4px  
4px 4px #649D63; box-shadow:4px 4px 4px  
4px #649D63 }
```

# Background

The CSS property to change the background color of an element to Hex 649D63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#649D63 }
```

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

```
.background{ background-color:#649D63 }
```

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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