

# Converting Colors

Hex(99B648)

Have a look what the booklet for  
Hex(99B648) contains.

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**Color**

**Hex(99B648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99B648
RGB	153, 182, 72
RGB Percent	60%, 71%, 28%
CMY	0.4000, 0.2863, 0.7176
CMYK	0.16, 0.00, 0.60, 0.29
HSL	76°, 43%, 50%
HSV	76°, 60%, 71%
XYZ	31.0345, 40.6961, 12.3503
YIQ	160.7890, 18.0260, -40.3580

# Conversions

## Conversions Part 2

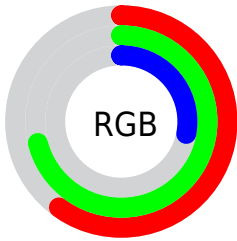
Format	Color
<a href="#">RYB</a>	<a href="#">72, 182, 101</a>
Decimal	<a href="#">10073672</a>
CIELab	<a href="#">69.96, -26.23, 51.40</a>
CIELCh	<a href="#">70, 57.702, 117.034</a>
Yxy	<a href="#">40.6961, 0.3691, 0.4840</a>
Android (android.graphics.Color)	<a href="#">4288263752 (0xFF99B648)</a>
YUV	<a href="#">160.7890, -43.7730, -6.8310</a>
Hunter-Lab	<a href="#">63.7935, -24.8012, 33.1770</a>

# Details

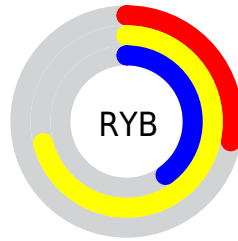
The Hex color **99B648** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **6548B6**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **D1EE7D**, and **63810F** is the 20% darker color. If you saturate the color by 10%, you get **94B636**, and if you desaturate by 10%, it is **9EB65A**.

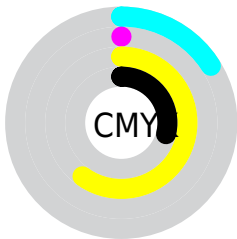
# Distribution



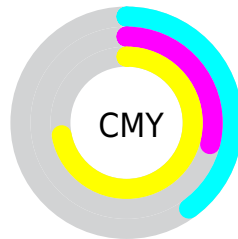
- Red (60%)
- Green (71%)
- Blue (28%)



- Red (28%)
- Yellow (71%)
- Blue (40%)



- Cyan (16%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)



- Cyan (40%)
- Magenta (29%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 99B648 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 99B648 by changing the saturation by 10% instead.



 99B648

 99B648

FFFFFF

 7E9B2D

 D1EE7D

 63810F

 EFFF98

 496800

 FFFFB3

 305000

 FFFF00

 143800

 FFFFEC

 002300

 000000

 99B648

 99B648

 94B636

 9EB65A

 8FB624

 A3B66C

 8BB611

 A7B67F

 86B600

 ACB691

 B1B6A3

 B6B6B5

 BBB6C7

 BFB6DA

 C4B6EC

# Harmonies

## Analogous

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



CDA63D



99B648



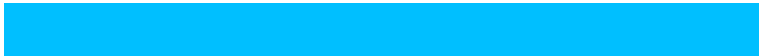
55C06F

# Triad

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



99B648



00BFFF



FF7DB2

# Complementary

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



99B648



6548B6

# 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.



E68AE5



99B648



12B2FF

# Square

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



99B648



00C4D9



A49FFF



FF817E

# Rectangle

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



99B648



00C392



A49FFF



FF80C4



# Sweetspot

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



99B648



E2EDC2



B66448



71785D



F7F7F7



787878



# Same Dimension

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



99B648



C0ED40



64B648



595C53



739C00



151C00



# Inverse Universe

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



6548B6



6E40ED



9B48B6



55535C



29009C



07001C



# Previews

## White Background



This preview shows how the Hex color 99B648 looks on a white background.

## Color Contrast Check

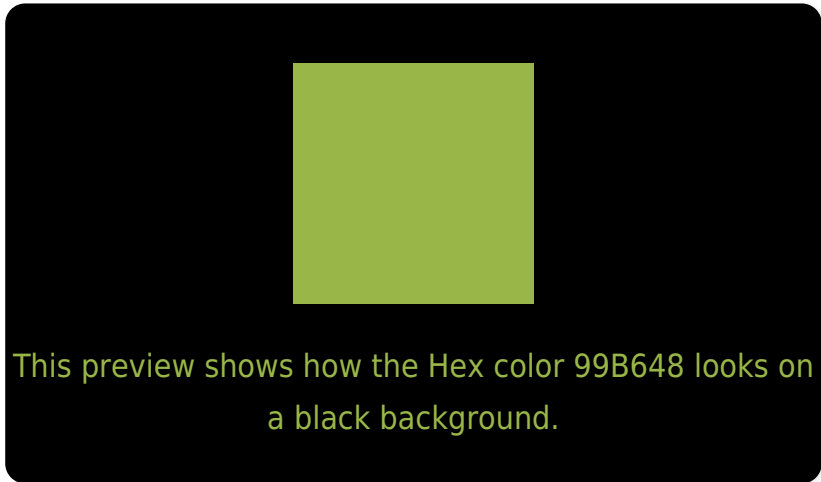
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex 99B648 Background



This preview shows how black text looks on a background with the Hex color 99B648.



This preview shows how white text looks on a background with the Hex color 99B648.

# 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



**Original Color**  
99B648

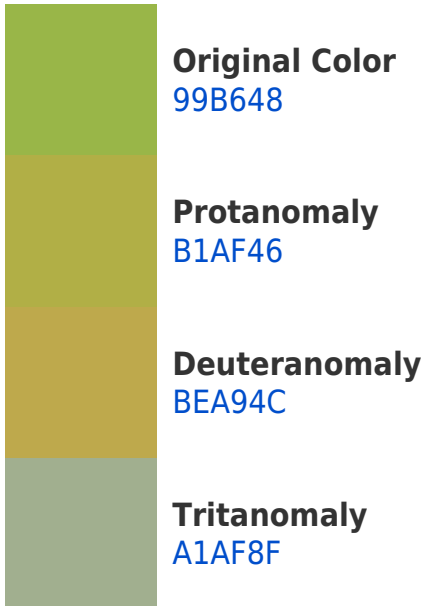
**Protanopia**  
BEAB45

**Deuteranopia**  
D3A24E

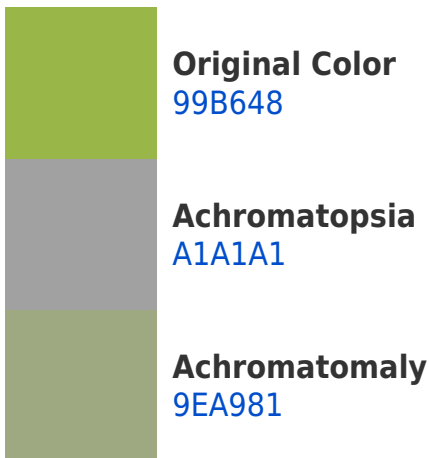


**Tritanopia**  
A6ABB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 99B648 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 #99B648 looks like.

```
.text, #text, p{  
    color:#99B648  
}
```

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 #99B648 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #99B648  
}
```

## Border

The CSS property to change the border of an element to Hex 99B648 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  
#99B648 }
```

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

```
.border{ border-color:#99B648 }
```

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

Here you see how a box with a 4 pixel #99B648 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #99B648; -webkit-box-shadow:4px 4px  
4px 4px #99B648; box-shadow:4px 4px 4px  
4px #99B648 }
```

# Background

The CSS property to change the background color of an element to Hex 99B648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#99B648 }
```

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

```
.background{ background-color:#99B648 }
```

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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