

# Converting Colors

Hex(49A362)

Have a look what the booklet for  
Hex(49A362) contains.

|  |    |
|--|----|
| <b>Hex(49A362)</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(49A362)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 49A362                       |
| RGB         | 73, 163, 98                  |
| RGB Percent | 29%, 64%, 38%                |
| CMY         | 0.7137, 0.3608, 0.6157       |
| CMYK        | 0.55, 0.00, 0.40, 0.36       |
| HSL         | 137°, 38%, 46%               |
| HSV         | 137°, 55%, 64%               |
| XYZ         | 18.0495, 28.4927, 16.1036    |
| YIQ         | 128.6800, -32.7750, -39.2950 |

# Conversions

## Conversions Part 2

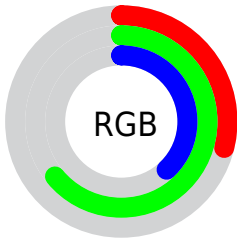
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 73, 143, 163                    |
| Decimal                             | 4825954                         |
| CIELab                              | 60.33, -41.62, 25.84            |
| CIElCh                              | 60, 48.988, 148.167             |
| Yxy                                 | 28.4927, 0.2881,<br>0.4548      |
| Android<br>(android.graphics.Color) | 4283016034<br>(0xFF49A362)      |
| YUV                                 | 128.6800, -15.1252,<br>-48.8314 |
| Hunter-Lab                          | 53.3785, -33.0544,<br>19.4780   |

# Details

The Hex color **49A362** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A3498A**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **80DB95**, and **006E32** is the 20% darker color. If you saturate the color by 10%, you get **39A356**, and if you desaturate by 10%, it is **59A36E**.

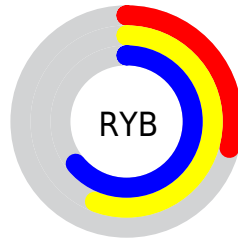
# Distribution



Red (29%)

Green (64%)

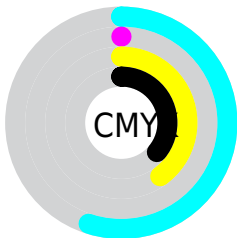
Blue (38%)



Red (29%)

Yellow (56%)

Blue (64%)

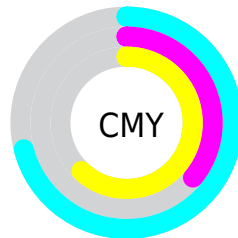


Cyan (55%)

Magenta (0%)

Yellow (40%)

Black (36%)



Cyan (71%)

Magenta (36%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49A362 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 49A362 by changing the saturation by 10% instead.





49A362



49A362

FFFFFF



2C884A



80DB95



006E32



9CF7B0



00551C



B9FFCC



003D04



D5FFE8



002800



F3FFFF



000200



000000



49A362



49A362



39A356




59A36E

 28A34A

 6AA37A

 18A33F

 7AA385

 08A333

 8AA391

 00A32D

 9BA39D

 ABA3A9

 BBA3B4

 CBA3C0

 DCA3CC

# Harmonies

## Analogous

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



819B41



49A362



00A78D

# Triad

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



49A362



2E97E8



E0706B

# Complementary

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



49A362



A3498A

# 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.



DE6C96



49A362



8F87DE

# Square

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



49A362



00A1DA



C476C0



CD7E48

# Rectangle

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



49A362



00A7AB



C476C0



E26D79



# Sweetspot

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



49A362



B0D4BA



8BA349



566B5C



EBEBEB



6B6B6B



# Same Dimension

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



49A362



48D46F



49A38E



49524C



009128



001205



# Inverse Universe

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



A3498A



D448AD



A3495E



52494F



910069



12000D



# Previews

## White Background



This preview shows how the Hex color 49A362 looks on a white background.

## Color Contrast Check

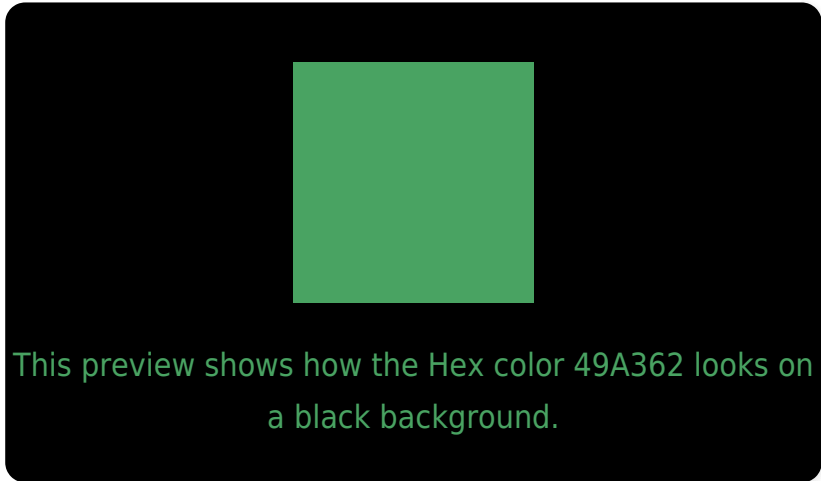
Large Text (above 18pt) WCAG AA ✓ Pass

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

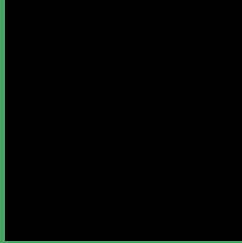
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 49A362 Background



This preview shows how black text looks on a background with the Hex color 49A362.

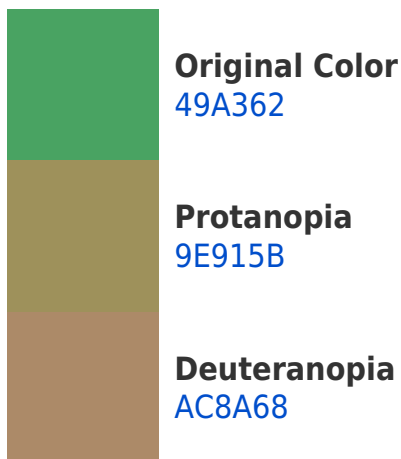


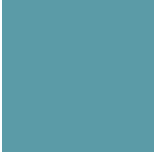
This preview shows how white text looks on a background with the Hex color 49A362.

# 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**  
5B9BA7

# Trichromacy



**Original Color**  
49A362



**Protanomaly**  
7F985E



**Deuteranomaly**  
889366



**Tritanomaly**  
549E8E

# Monochromacy



**Original Color**  
49A362



**Achromatopsia**  
818181



**Achromatomaly**  
6D8D76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49A362 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 #49A362 looks like.

```
.text, #text, p{  
    color:#49A362  
}
```

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 #49A362 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49A362
}
```

## Border

The CSS property to change the border of an element to Hex 49A362 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
#49A362 }
```

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

```
.border{ border-color:#49A362 }
```

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

Here you see how a box with a 4 pixel #49A362 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49A362; -webkit-box-shadow:4px 4px  
4px 4px #49A362; box-shadow:4px 4px 4px  
4px #49A362 }
```

# Background

The CSS property to change the background color of an element to Hex 49A362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49A362 }
```

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

```
.background{ background-color:#49A362 }
```

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