

# Converting Colors

Hex(64AD62)

Have a look what the booklet for  
Hex(64AD62) contains.

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# **Color**

**Hex(64AD62)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64AD62
RGB	100, 173, 98
RGB Percent	39%, 68%, 38%
CMY	0.6078, 0.3216, 0.6157
CMYK	0.42, 0.00, 0.43, 0.32
HSL	118°, 31%, 53%
HSV	118°, 43%, 68%
XYZ	22.4037, 33.4783, 16.8364
YIQ	142.6230, -19.4330, -38.8010

# Conversions

## Conversions Part 2

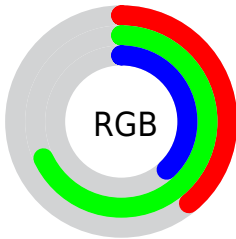
Format	Color
<a href="#">RYB</a>	<a href="#">98, 173, 171</a>
Decimal	<a href="#">6597986</a>
CIELab	<a href="#">64.55, -38.32, 31.53</a>
CIELCh	<a href="#">65, 49.622, 140.557</a>
Yxy	<a href="#">33.4783, 0.3081, 0.4604</a>
Android (android.graphics.Color)	<a href="#">4284788066 (0xFF64AD62)</a>
YUV	<a href="#">142.6230, -21.9991, -37.3804</a>
Hunter-Lab	<a href="#">57.8604, -32.1401, 23.2499</a>

# Details

The Hex color **64AD62** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **AB62AD**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **9AE596**, and **2E7832** is the 20% darker color. If you saturate the color by 10%, you get **53AD51**, and if you desaturate by 10%, it is **75AD73**.

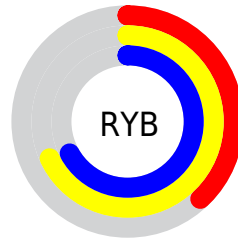
# Distribution



Red (39%)

Green (68%)

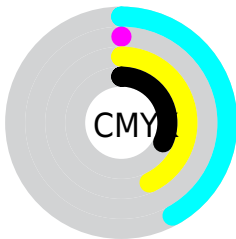
Blue (38%)



Red (38%)

Yellow (68%)

Blue (67%)

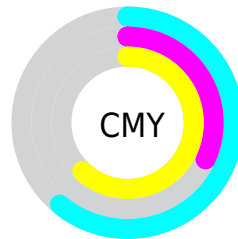


Cyan (42%)

Magenta (0%)

Yellow (43%)

Black (32%)



Cyan (61%)

Magenta (32%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64AD62 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 64AD62 by changing the saturation by 10% instead.



■ 64AD62

■ 64AD62

FFFFFF

■ 499249

■ 9AE596

■ 2E7832

■ B6FFB1

■ 0C5F1A

■ D3FFCC

■ 004601

■ F0FFE9

■ 002F00

■ 001900

■ 000000

■ 64AD62

■ 64AD62

■ 53AD51

■ 75AD73

 42AD3F

 86AD85

 31AD2E

 97AD96

 21AD1D

 A7ADA7

 10AD0B

 B8ADB9

 05AD00

 C9ADCA

 DAADDB

 EBADEC

 FCADFE

# Harmonies

## Analogous

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



98A346



64AD62



00B28D

# Triad

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



64AD62



00A5F4



EF7880

# Complementary

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



64AD62



AB62AD

# 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.



E778AC



64AD62



8896F0

# Square

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



64AD62



00AFE0



C585D5



E18559

# Rectangle

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



64AD62



00B3AB



C585D5



EF778E



# Sweetspot

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



64AD62



C4E0C3



ADAB62



5F705E



F0F0F0



707070



# Same Dimension

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



64AD62



6FE06C



62AD85



4E574E



049600



011700



# Inverse Universe

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



AB62AD



DD6CE0



AD628A



564E57



920096



160017



# Previews

## White Background



This preview shows how the Hex color 64AD62 looks on a white background.

## Color Contrast Check

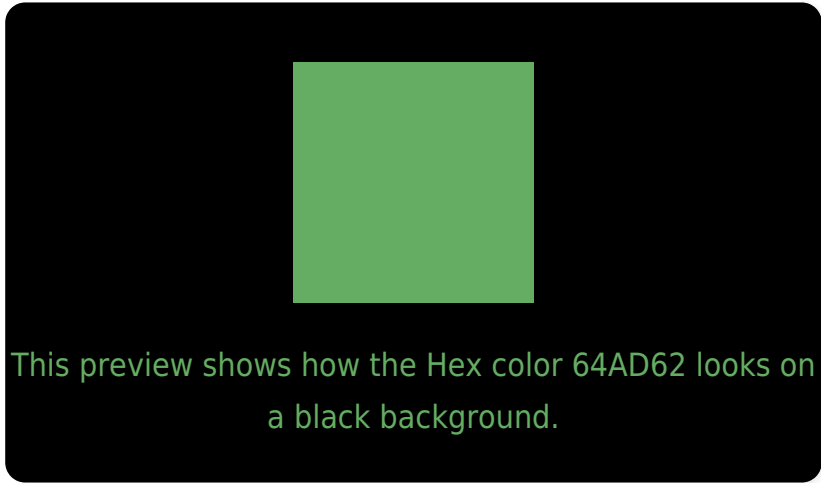
Large Text (above 18pt) WCAG AA × Fail

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

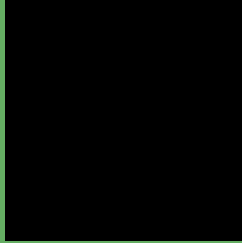
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 64AD62 Background



This preview shows how black text looks on a background with the Hex color 64AD62.



This preview shows how white text looks on a background with the Hex color 64AD62.

# 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**  
64AD62

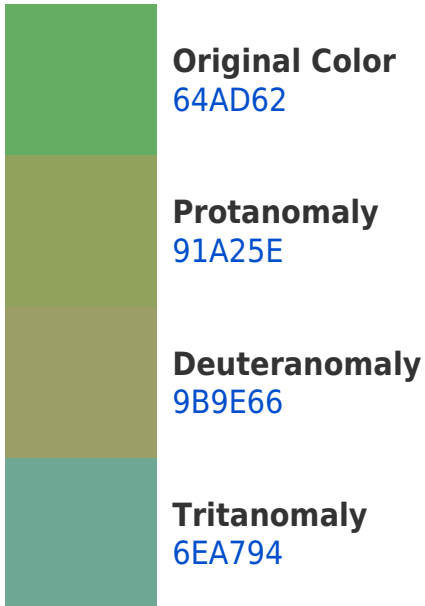
**Protanopia**  
AB9C5C

**Deuteranopia**  
BB9568

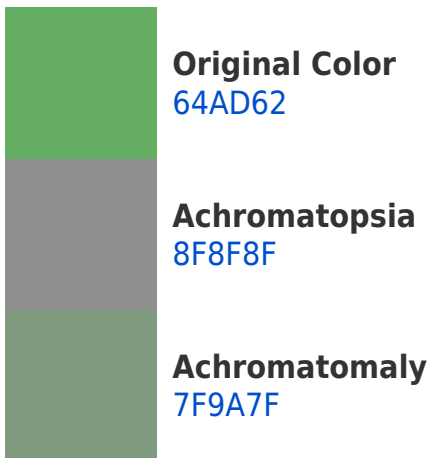


**Tritanopia**  
74A4B1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64AD62 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 #64AD62 looks like.

```
.text, #text, p{  
    color:#64AD62  
}
```

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 #64AD62 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64AD62
}
```

## Border

The CSS property to change the border of an element to Hex 64AD62 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
#64AD62 }
```

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

```
.border{ border-color:#64AD62 }
```

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

Here you see how a box with a 4 pixel #64AD62 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64AD62; -webkit-box-shadow:4px 4px  
4px 4px #64AD62; box-shadow:4px 4px 4px  
4px #64AD62 }
```

# Background

The CSS property to change the background color of an element to Hex 64AD62 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64AD62 }
```

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

```
.background{ background-color:#64AD62 }
```

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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