

# Converting Colors

Hex(78CA62)

Have a look what the booklet for  
Hex(78CA62) contains.

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**Color**

**Hex(78CA62)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78CA62
RGB	120, 202, 98
RGB Percent	47%, 79%, 38%
CMY	0.5294, 0.2078, 0.6157
CMYK	0.41, 0.00, 0.51, 0.21
HSL	107°, 50%, 59%
HSV	107°, 51%, 79%
XYZ	31.0709, 47.1160, 19.0120
YIQ	165.6260, -15.4880, -49.7280

# Conversions

## Conversions Part 2

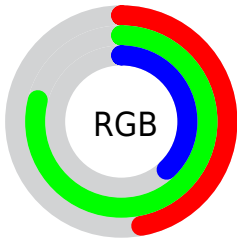
Format	Color
<a href="#">RYB</a>	<a href="#">98, 202, 180</a>
Decimal	<a href="#">7916130</a>
CIELab	<a href="#">74.26, -44.63, 43.84</a>
CIELCh	<a href="#">74, 62.563, 135.512</a>
Yxy	<a href="#">47.1160, 0.3197, 0.4847</a>
Android (android.graphics.Color)	<a href="#">4286106210 (0xFF78CA62)</a>
YUV	<a href="#">165.6260, -33.3396, -40.0140</a>
Hunter-Lab	<a href="#">68.6411, -39.3226, 31.6268</a>

# Details

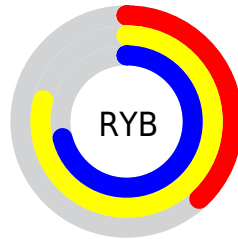
The Hex color **78CA62** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **B462CA**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **B0FF97**, and **40932F** is the 20% darker color. If you saturate the color by 10%, you get **68CA4E**, and if you desaturate by 10%, it is **88CA76**.

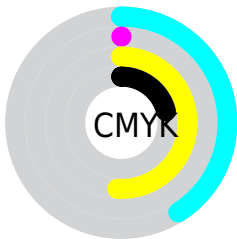
# Distribution



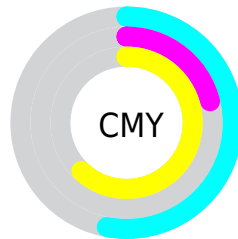
- Red (47%)
- Green (79%)
- Blue (38%)



- Red (38%)
- Yellow (79%)
- Blue (71%)



- Cyan (41%)
- Magenta (0%)
- Yellow (51%)
- Black (21%)



- Cyan (53%)
- Magenta (21%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78CA62 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 78CA62 by changing the saturation by 10% instead.



 78CA62

 78CA62

FFFFFF

 5CAE48

 B0FF97

 40932F

 CDFFB2

 217914

 EAFFCE

 005F00

 FFFFEB

 004700

 003000

 001800

 000000

 78CA62

 78CA62

 68CA4E

 88CA76

 58CA3A

 98CA8A

 48CA25

 A8CA9F

 38CA11

 B8CAB3

 2BCA00

 C8CAC7

 D8CADB

 E7CAEF

 F7CAFF

 FFCAFF

# Harmonies

## Analogous

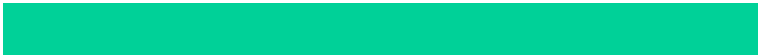
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



BABD3F



78CA62



00D198

# Triad

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



78CA62



00C5FF



FF849B

# Complementary

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



78CA62



B462CA

# 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.



FF87D5



78CA62



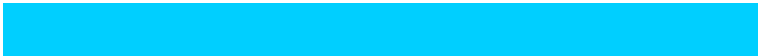
86B3FF

# Square

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



78CA62



00CFFF



E09BFF



FF9367

# Rectangle

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



78CA62



00D3C0



E09BFF



FF83AE

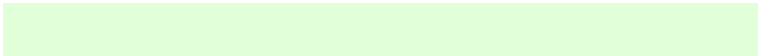


# Sweetspot

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



78CA62



E1FFD9



CAB362



6D8069



000000



808080



# Same Dimension

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



78CA62



82FF61



62CA7F



5E665C



23A600



082600



# Inverse Universe

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



B462CA



DE61FF



CA62AD



645C66



8300A6



1E0026



# Previews

## White Background



This preview shows how the Hex color 78CA62 looks on a white background.

## Color Contrast Check

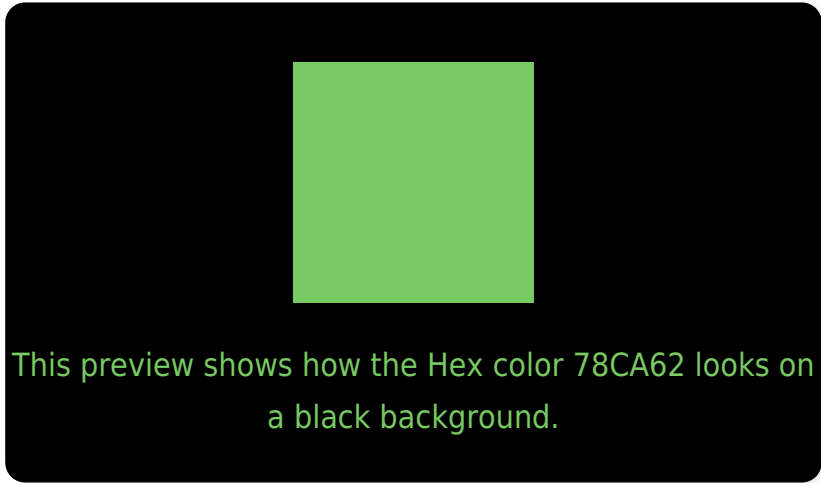
Large Text (above 18pt) WCAG AA × Fail

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 78CA62 Background



This preview shows how black text looks on a background with the Hex color 78CA62.

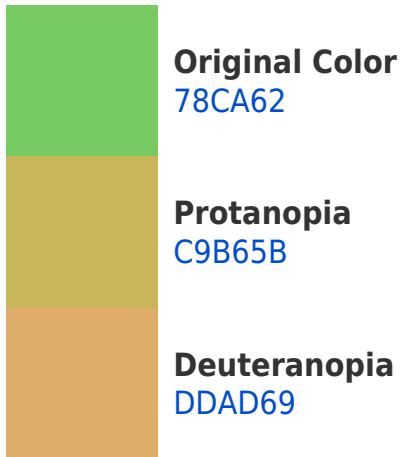


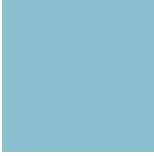
This preview shows how white text looks on a background with the Hex color 78CA62.

# 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**  
8BBECE

# Trichromacy



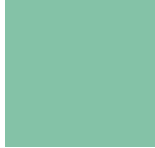
**Original Color**  
78CA62



**Protanomaly**  
ACBD5E



**Deuteranomaly**  
B8B866



**Tritanomaly**  
84C2A7

# Monochromacy



**Original Color**  
78CA62



**Achromatopsia**  
A6A6A6



**Achromatomaly**  
95B38D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78CA62 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 #78CA62 looks like.

```
.text, #text, p{  
    color:#78CA62  
}
```

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 #78CA62 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78CA62
}
```

## Border

The CSS property to change the border of an element to Hex 78CA62 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
#78CA62 }
```

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

```
.border{ border-color:#78CA62 }
```

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

Here you see how a box with a 4 pixel #78CA62 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78CA62; -webkit-box-shadow:4px 4px  
4px 4px #78CA62; box-shadow:4px 4px 4px  
4px #78CA62 }
```

# Background

The CSS property to change the background color of an element to Hex 78CA62 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78CA62 }
```

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

```
.background{ background-color:#78CA62 }
```

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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