

# Converting Colors

Hex(75AA77)

Have a look what the booklet for  
Hex(75AA77) contains.

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# **Color**

**Hex(75AA77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75AA77
RGB	117, 170, 119
RGB Percent	46%, 67%, 47%
CMY	0.5412, 0.3333, 0.5333
CMYK	0.31, 0.00, 0.30, 0.33
HSL	122°, 24%, 56%
HSV	122°, 31%, 67%
XYZ	25.0406, 33.8633, 22.6692
YIQ	148.3390, -15.2170, -27.0970

# Conversions

## Conversions Part 2

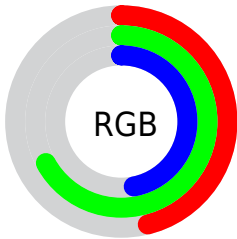
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 168, 170
Decimal	7711351
CIELab	64.85, -27.98, 20.87
CIELCh	65, 34.900, 143.282
Yxy	33.8633, 0.3070, 0.4151
Android (android.graphics.Color)	4285901431 (0xFF75AA77)
YUV	148.3390, -14.4641, -27.4843
Hunter-Lab	58.1922, -25.0261, 17.6376

# Details

The Hex color **75AA77** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **AA75A8**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **ABE2AB**, and **427546** is the 20% darker color. If you saturate the color by 10%, you get **64AA67**, and if you desaturate by 10%, it is **86AA87**.

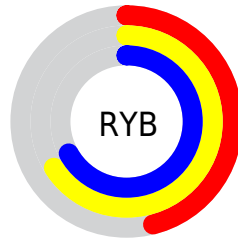
# Distribution



Red (46%)

Green (67%)

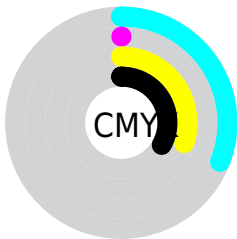
Blue (47%)



Red (46%)

Yellow (66%)

Blue (67%)

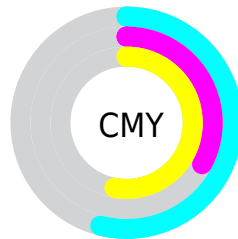


Cyan (31%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 75AA77 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 75AA77 by changing the saturation by 10% instead.



 75AA77

 75AA77

FFFFFF

 5B8F5E

 ABE2AB

 427546

 C6FEC7

 295C2F

 E3FFE3

 0F4519

 002E01

 001A00

 000000

 75AA77

 75AA77

 64AA67

 86AA87

 53AA56

 97AA98

 42AA46

 A8AAA8

 31AA36

 B9AAB8

 20AA25

 CAAAC9

 0FAA15

 DBAAD9

 00AA06

 ECAAEA

 FDAAFA

 FFAAFF

# Harmonies

## Analogous

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



99A363



75AA77



4CAE95

# Triad

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



75AA77



64A3DB



DA8686

# Complementary

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



75AA77



AA75A8

# 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.



D586A6



75AA77



9798D7

# Square

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



75AA77



2FAACE



BE8DC3



D08E6C

# Rectangle

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



75AA77



2FAEAB



BE8DC3



DA8590



# Sweetspot

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



75AA77



CADECB



A8AA75



647064



F0F0F0



707070



# Same Dimension

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



75AA77



8CDE8F



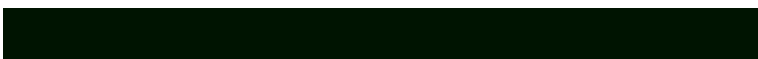
75AA91



4C544C



009406



001401



# Inverse Universe

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



AA75A8



DE8CDB



AA758E



544C54



94008E



140014



# Previews

## White Background



This preview shows how the Hex color 75AA77 looks on a white background.

## Color Contrast Check

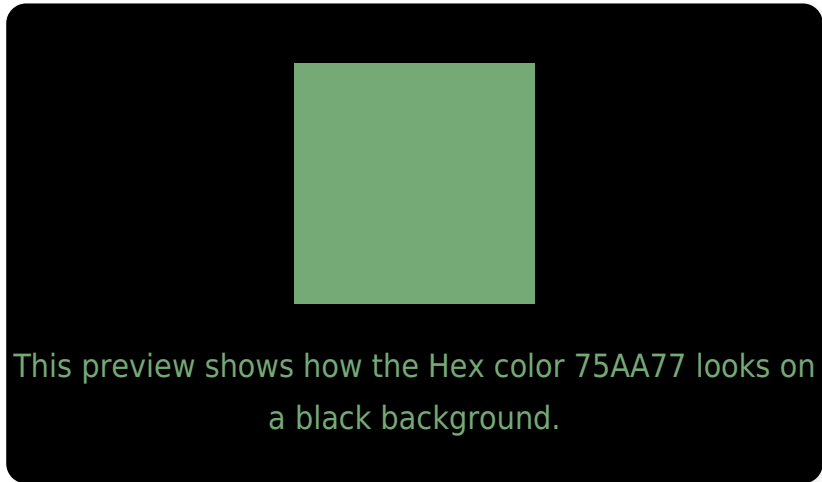
Large Text (above 18pt) WCAG AA × Fail

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

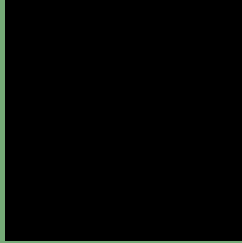
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 75AA77 Background



This preview shows how black text looks on a background with the Hex color 75AA77.

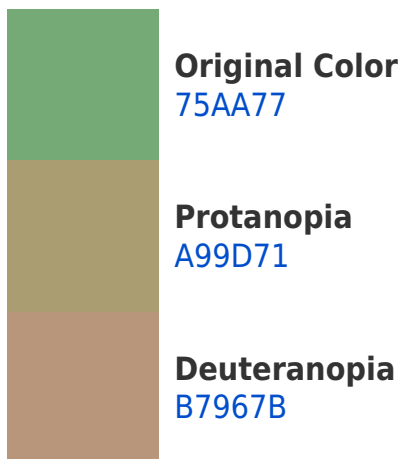


This preview shows how white text looks on a background with the Hex color 75AA77.

# 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](#).

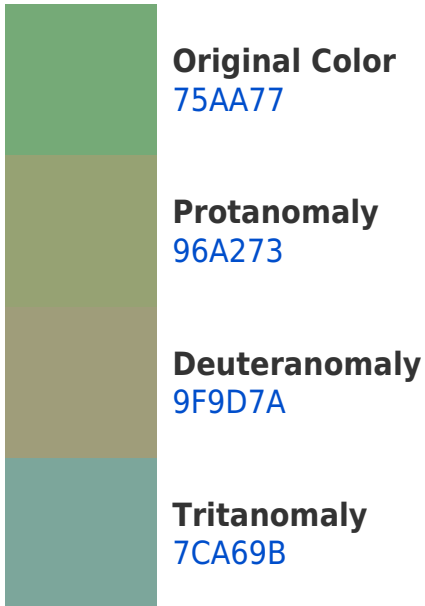
## Dichromacy



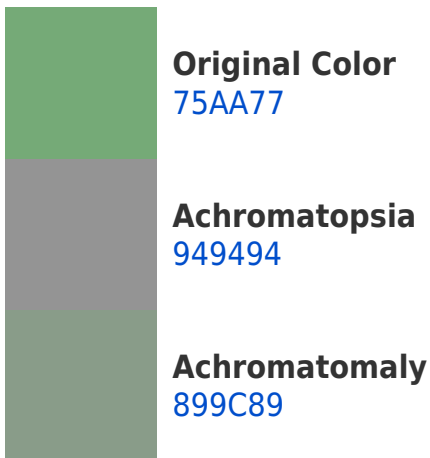


**Tritanopia**  
80A3B0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 75AA77 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 #75AA77 looks like.

```
.text, #text, p{  
    color:#75AA77  
}
```

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 #75AA77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #75AA77  
}
```

## Border

The CSS property to change the border of an element to Hex 75AA77 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  
#75AA77 }
```

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

```
.border{ border-color:#75AA77 }
```

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

Here you see how a box with a 4 pixel #75AA77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #75AA77; -webkit-box-shadow:4px 4px  
4px 4px #75AA77; box-shadow:4px 4px 4px  
4px #75AA77 }
```

# Background

The CSS property to change the background color of an element to Hex 75AA77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#75AA77 }
```

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

```
.background{ background-color:#75AA77 }
```

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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