

# Converting Colors

Hex(78A379)

Have a look what the booklet for  
Hex(78A379) contains.

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# **Color**

**Hex(78A379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78A379
RGB	120, 163, 121
RGB Percent	47%, 64%, 47%
CMY	0.5294, 0.3608, 0.5255
CMYK	0.26, 0.00, 0.26, 0.36
HSL	121°, 19%, 55%
HSV	121°, 26%, 64%
XYZ	24.2941, 31.5679, 22.9019
YIQ	145.3550, -12.1460, -22.1780

# Conversions

## Conversions Part 2

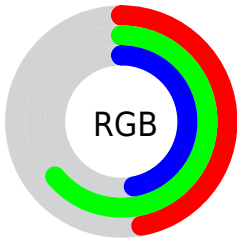
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 162, 163
Decimal	7906169
CIELab	62.98, -23.13, 17.24
CIELCh	63, 28.850, 143.309
Yxy	31.5679, 0.3084, 0.4008
Android (android.graphics.Color)	4286096249 (0xFF78A379)
YUV	145.3550, -12.0070, -22.2363
Hunter-Lab	56.1853, -21.1423, 15.1623

# Details

The Hex color **78A379** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **A378A2**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **ADDAAE**, and **466F48** is the 20% darker color. If you saturate the color by 10%, you get **68A369**, and if you desaturate by 10%, it is **88A389**.

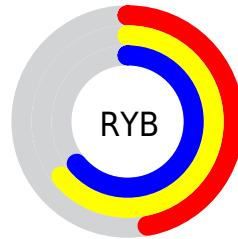
# Distribution



Red (47%)

Green (64%)

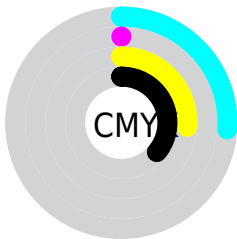
Blue (47%)



Red (47%)

Yellow (64%)

Blue (64%)

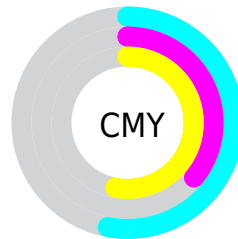


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (36%)



Cyan (53%)

Magenta (36%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78A379 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 78A379 by changing the saturation by 10% instead.



 78A379

 78A379

FFFFFF

 5F8960

 ADDAAE

 466F48

 C9F7C9

 2E5631

 E5FFE5

 163F1C

 012804

 001200

 000000

 78A379

 78A379

 68A369

 88A389

 57A359

 99A399

 47A349

 A9A3A9

 37A339

 B9A3B9

 26A329

 CAA3C9

 16A319

 DAA3D9

 06A30A

 EAA3E8

 00A304

 FAA3F8

 FFA3FF

# Harmonies

## Analogous

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



969D69



78A379



5AA692

# Triad

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



78A379



6E9DCB



CB8685

# Complementary

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



78A379



A378A2

# 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.



C7869F



78A379



9494C7

# Square

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



78A379



4CA3C1



B48BB7



C38C70

# Rectangle

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



78A379



4AA7A3



B48BB7



CB858E



# Sweetspot

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



78A379



C3D4C3



A2A378



606B61



EBEBEB



6B6B6B



# Same Dimension

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



78A379



90D491



78A38E



49524A



009103



001200



# Inverse Universe

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



A378A2



D490D2



A3788D



524951



91008E



120011



# Previews

## White Background



This preview shows how the Hex color 78A379 looks on a white background.

## Color Contrast Check

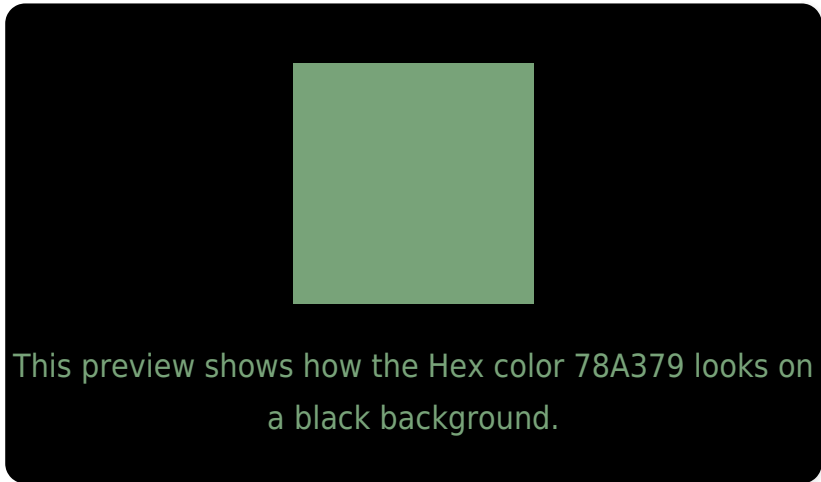
Large Text (above 18pt) WCAG AA × Fail

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

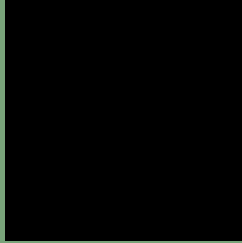
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 78A379 Background



This preview shows how black text looks on a background with the Hex color 78A379.

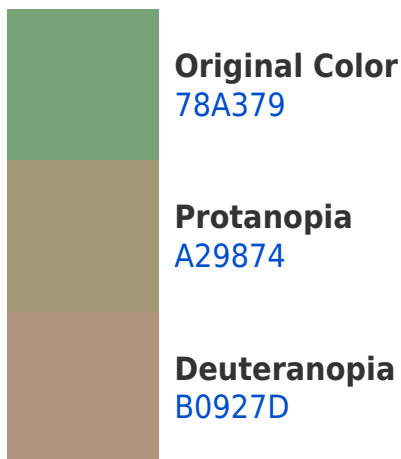


This preview shows how white text looks on a background with the Hex color 78A379.

# 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](#).

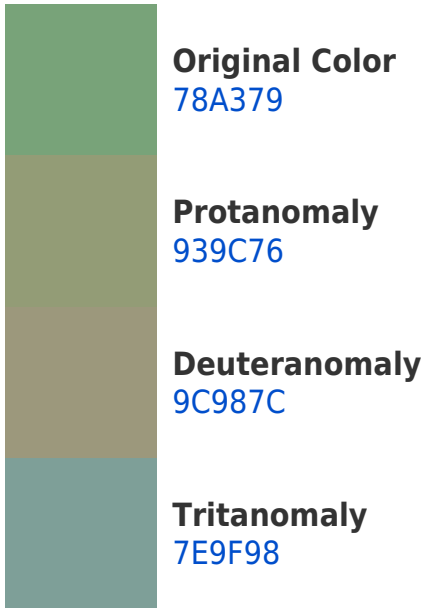
## Dichromacy



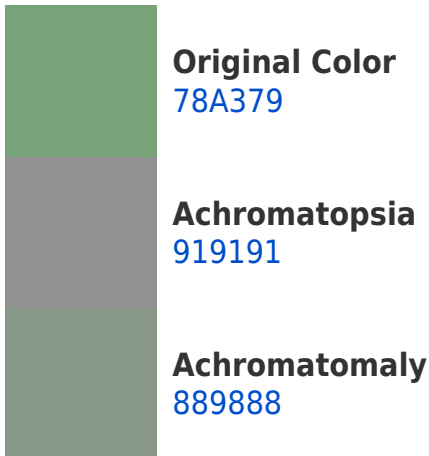


**Tritanopia**  
819DA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78A379 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 #78A379 looks like.

```
.text, #text, p{  
    color:#78A379  
}
```

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 #78A379 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78A379
}
```

## Border

The CSS property to change the border of an element to Hex 78A379 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
#78A379 }
```

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

```
.border{ border-color:#78A379 }
```

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

Here you see how a box with a 4 pixel #78A379 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78A379; -webkit-box-shadow:4px 4px  
4px 4px #78A379; box-shadow:4px 4px 4px  
4px #78A379 }
```

# Background

The CSS property to change the background color of an element to Hex 78A379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78A379 }
```

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

```
.background{ background-color:#78A379 }
```

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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