

# Converting Colors

Hex(87974D)

Have a look what the booklet for  
Hex(87974D) contains.

<b>Hex(87974D)</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(87974D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87974D
RGB	135, 151, 77
RGB Percent	53%, 59%, 30%
CMY	0.4706, 0.4078, 0.6980
CMYK	0.11, 0.00, 0.49, 0.41
HSL	73°, 32%, 45%
HSV	73°, 49%, 59%
XYZ	22.3978, 27.8199, 11.2105
YIQ	137.7800, 14.2180, -26.4060

# Conversions

## Conversions Part 2

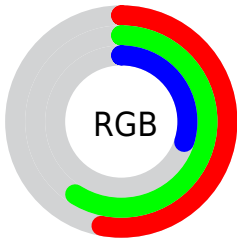
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 151, 93
Decimal	8886093
CIELab	59.73, -17.57, 36.82
CIElCh	60, 40.800, 115.507
Yxy	27.8199, 0.3646, 0.4529
Android (android.graphics.Color)	4287076173 (0xFF87974D)
YUV	137.7800, -29.9645, -2.4381
Hunter-Lab	52.7446, -16.5036, 24.3196

# Details

The Hex color **87974D** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **5D4D97**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **BECD80**, and **53641D** is the 20% darker color. If you saturate the color by 10%, you get **84973E**, and if you desaturate by 10%, it is **8A975C**.

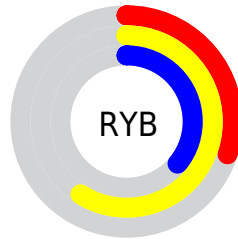
# Distribution



Red (53%)

Green (59%)

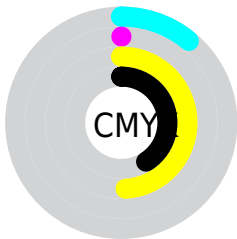
Blue (30%)



Red (30%)

Yellow (59%)

Blue (36%)

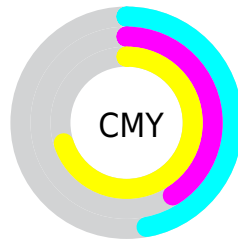


Cyan (11%)

Magenta (0%)

Yellow (49%)

Black (41%)



Cyan (47%)

Magenta (41%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87974D 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 87974D by changing the saturation by 10% instead.



 87974D

 87974D

FFFFFF

 6D7D35

 BECD80

 53641D

 DAE99A

 3B4C02

 F7FFB5

 243500

 FFFFD1

 082000

 FFFFEE

 000000

 87974D

 87974D


 84973E

 8A975C

 80972F

 8E976B

 7D9720


 91977A

 7A9711

 949789

 779702

 979799

 769700

 9B97A8

 9E97B7

 A197C6

 A497D5

# Harmonies

## Analogous

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



AB8C47



87974D



5C9E66

# Triad

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



87974D



009ECA



D07397

# Complementary

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



87974D



5D4D97

# 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.



B77BB9



87974D



4795D7

# Square

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



87974D



00A2AE



8B89D1



D47573

# Rectangle

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



87974D



35A17D



8B89D1



CA75A3



# Sweetspot

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



87974D



BEC4A7



975C4D



606352



E3E3E3



636363



# Same Dimension

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



87974D



ABC451



63974D



4B4D45



6E8C00



0A0D00



# Inverse Universe

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



5D4D97



6A51C4



814D97



47454D



1E008C



03000D



# Previews

## White Background



This preview shows how the Hex color 87974D looks on a white background.

## Color Contrast Check

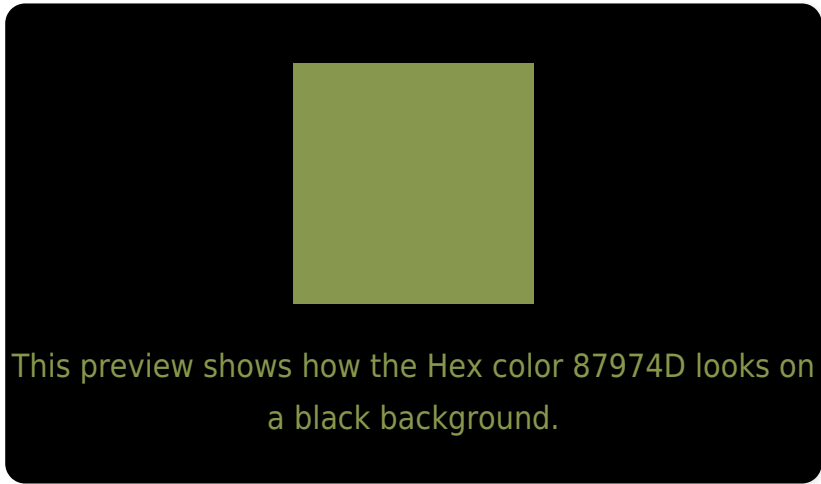
Large Text (above 18pt) WCAG AA ✓ Pass

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 87974D Background



This preview shows how black text looks on a background with the Hex color 87974D.

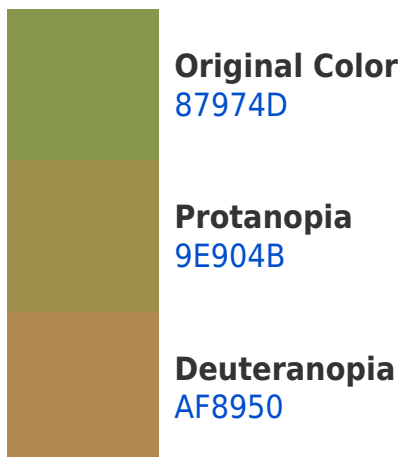


This preview shows how white text looks on a background with the Hex color 87974D.

# 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](#).

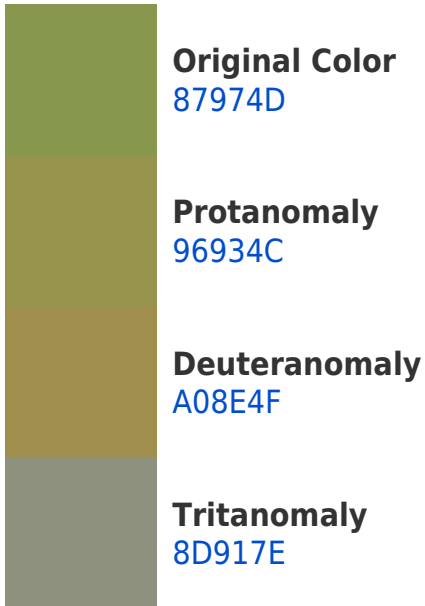
## Dichromacy



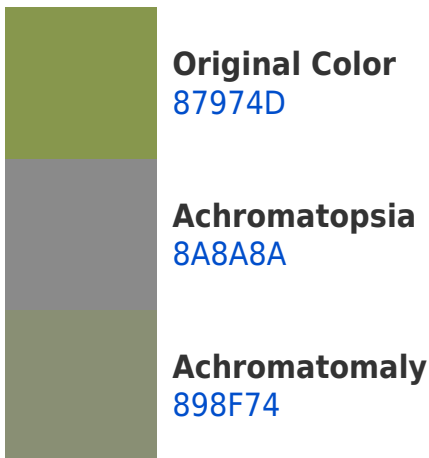


**Tritanopia**  
908E9A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87974D 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 #87974D looks like.

```
.text, #text, p{  
    color:#87974D  
}
```

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 #87974D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87974D
}
```

## Border

The CSS property to change the border of an element to Hex 87974D 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
#87974D }
```

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

```
.border{ border-color:#87974D }
```

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

Here you see how a box with a 4 pixel #87974D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87974D; -webkit-box-shadow:4px 4px  
4px 4px #87974D; box-shadow:4px 4px 4px  
4px #87974D }
```

# Background

The CSS property to change the background color of an element to Hex 87974D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87974D }
```

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

```
.background{ background-color:#87974D }
```

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