

# Converting Colors

Hex(97AA22)

Have a look what the booklet for  
Hex(97AA22) contains.

<b>Hex(97AA22)</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(97AA22)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97AA22
RGB	151, 170, 34
RGB Percent	59%, 67%, 13%
CMY	0.4078, 0.3333, 0.8667
CMYK	0.11, 0.00, 0.80, 0.33
HSL	68°, 67%, 40%
HSV	68°, 80%, 67%
XYZ	27.4260, 35.4443, 6.9093
YIQ	148.8150, 32.3320, -46.3240

# Conversions

## Conversions Part 2

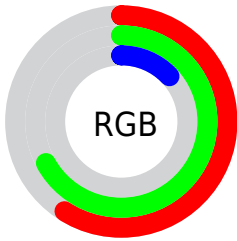
Format	Color
<a href="#">RYB</a>	<a href="#">34, 170, 53</a>
Decimal	<a href="#">9939490</a>
CIELab	<a href="#">66.09, -23.45, 61.77</a>
CIELCh	<a href="#">66, 66.067, 110.786</a>
Yxy	<a href="#">35.4443, 0.3930, 0.5079</a>
Android (android.graphics.Color)	<a href="#">4288129570</a> ( <a href="#">0xFF97AA22</a> )
YUV	<a href="#">148.8150, -56.6038, 1.9162</a>
Hunter-Lab	<a href="#">59.5351, -21.9570, 34.7937</a>

# Details

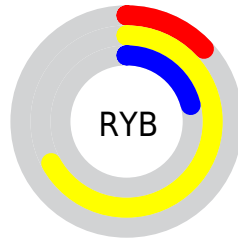
The Hex color **97AA22** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3522AA**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **D0E15C**, and **607600** is the 20% darker color. If you saturate the color by 10%, you get **95AA11**, and if you desaturate by 10%, it is **99AA33**.

# Distribution



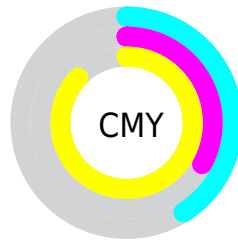
- Red (59%)
- Green (67%)
- Blue (13%)



- Red (13%)
- Yellow (67%)
- Blue (21%)



- Cyan (11%)
- Magenta (0%)
- Yellow (80%)
- Black (33%)



- Cyan (41%)
- Magenta (33%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 97AA22 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 97AA22 by changing the saturation by 10% instead.



 97AA22

 97AA22

FFFFFF

 7B9000

 D0E15C

 607600

 EEFE77

 465D00

 FFFF92

 2B4600

 FFFF92

 0F2F00

 FFFF92

 001D00

 FFFF92

 000000

 97AA22

 97AA22

 95AA11

 99AA33

■ 92AA00

■ 9CAA44

■ 9EAA55

■ A0AA66

■ A3AA77

■ A5AA88

■ A8AA99

■ AAAAAA

■ ACAABB

# Harmonies

## Analogous

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



CE971D



97AA22



4BB651

# Triad

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



97AA22



00B8FC



FF69B6

# Complementary

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



97AA22



3522AA

# 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.



D67EEC



97AA22



00ADFF

# Square

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



97AA22



00BDC9



7E99FF



FF6A7A

# Rectangle

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



97AA22



00BA77



7E99FF



F86FC9



# Sweetspot

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



97AA22



D6DEA9



AA3422



6C7050



F0F0F0



707070



# Same Dimension

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



97AA22



C0DE09



54AA22



53544C



7F9400



121400



# Inverse Universe

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



3522AA



2709DE



7822AA



4D4C54



150094



030014



# Previews

## White Background



This preview shows how the Hex color 97AA22 looks on a white background.

## Color Contrast Check

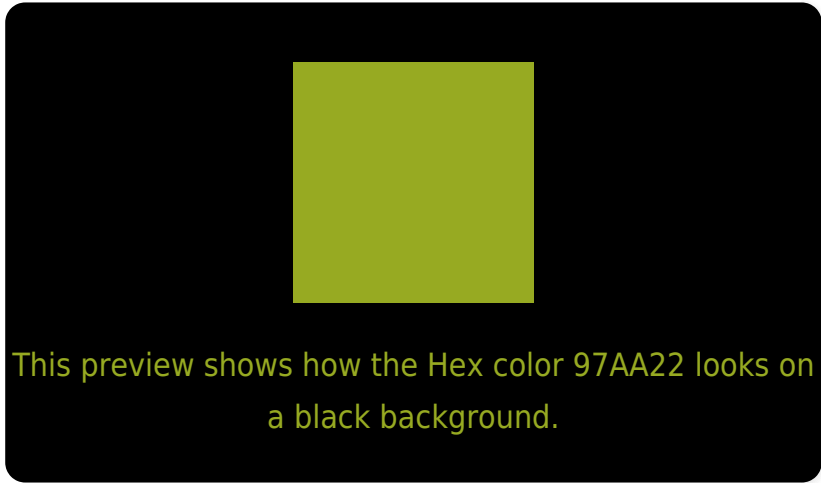
Large Text (above 18pt) WCAG AA × Fail

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 97AA22 Background



This preview shows how black text looks on a background with the Hex color 97AA22.



This preview shows how white text looks on a background with the Hex color 97AA22.

# 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**  
97AA22

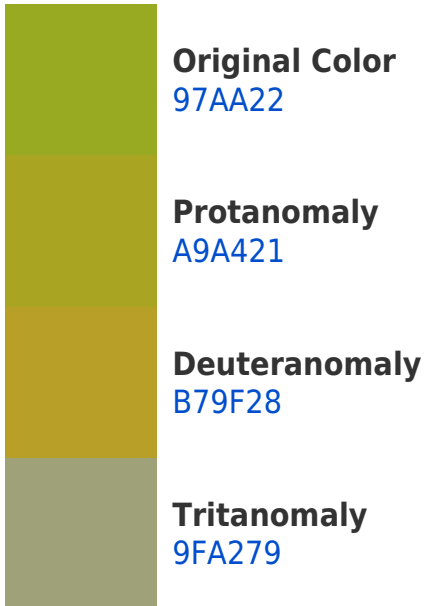
**Protanopia**  
B4A120

**Deuteranopia**  
C9982B

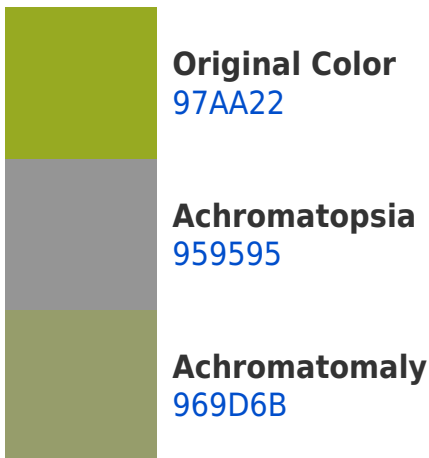


**Tritanopia**  
A39EAB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 97AA22 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 #97AA22 looks like.

```
.text, #text, p{  
    color:#97AA22  
}
```

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 #97AA22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #97AA22
}
```

## Border

The CSS property to change the border of an element to Hex 97AA22 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
#97AA22 }
```

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

```
.border{ border-color:#97AA22 }
```

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

Here you see how a box with a 4 pixel #97AA22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #97AA22; -webkit-box-shadow:4px 4px  
4px 4px #97AA22; box-shadow:4px 4px 4px  
4px #97AA22 }
```

# Background

The CSS property to change the background color of an element to Hex 97AA22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#97AA22 }
```

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

```
.background{ background-color:#97AA22 }
```

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