

# Converting Colors

Hex(9AE986)

Have a look what the booklet for  
Hex(9AE986) contains.

<b>Hex(9AE986)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(9AE986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE986
RGB	154, 233, 134
RGB Percent	60%, 91%, 53%
CMY	0.3961, 0.0863, 0.4745
CMYK	0.34, 0.00, 0.42, 0.09
HSL	108°, 69%, 72%
HSV	108°, 42%, 91%
XYZ	46.7684, 66.8691, 32.9963
YIQ	198.0930, -15.3050, -47.5370

# Conversions

## Conversions Part 2

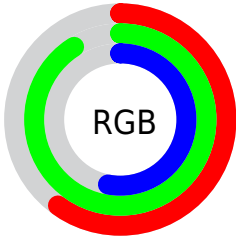
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 233, 213
Decimal	10152326
CIELab	85.44, -42.49, 40.55
CIELCh	85, 58.741, 136.338
Yxy	66.8691, 0.3189, 0.4560
Android (android.graphics.Color)	4288342406 (0xFF9AE986)
YUV	198.0930, -31.5978, -38.6696
Hunter-Lab	81.7735, -41.0148, 33.3174

# Details

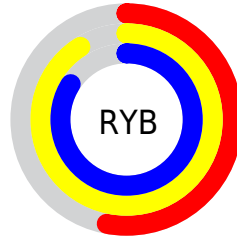
The Hex color **9AE986** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **D586E9**, and the grayscale version is **C6C6C6**.

A 20% lighter version of the original color is **D3FFBC**, and **63B152** is the 20% darker color. If you saturate the color by 10%, you get **87E96F**, and if you desaturate by 10%, it is **ADE99D**.

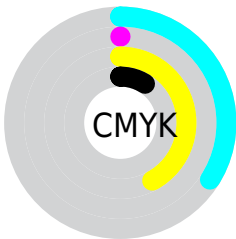
# Distribution



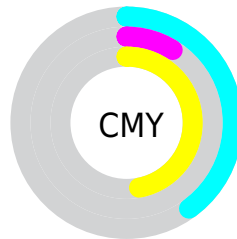
- Red (60%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)



- Cyan (40%)
- Magenta (9%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9AE986 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 9AE986 by changing the saturation by 10% instead.



 9AE986

 9AE986

FFFFFF

 7ECD6C

 D3FFBC


 63B152

 F0FFD9

 479639

 FFFFF5

 2A7B20

 016202

 004900

 003200

 001C00

 000000

 9AE986

 9AE986

 87E96F

 ADE99D

 75E957

 BFE9B5

 62E940

 D2E9CC

 50E929

 E4E9E3

 3DE911

 F7E9FB

 2FE900

 FFE9FF

# Harmonies

## Analogous

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



D9DC67



9AE986



3AF0B9

# Triad

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



9AE986



00E3FF



FFA8B9

# Complementary

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



9AE986



D586E9

# 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.



FFAAF1



9AE986



B0D1FF

# Square

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



9AE986



00EEFF



FFBBFF



FFB587

# Rectangle

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



9AE986



00F2E0



FFBBFF



FFA7CC

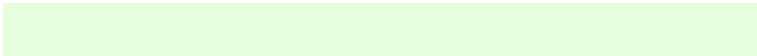


# Sweetspot

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



9AE986



E5FFDE



E9D486



6F806B



000000



808080



# Same Dimension

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



9AE986



97FF7D



86E9A2



6C756A



25B500



0B3600



# Inverse Universe

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



D586E9



E57DFF



E986CD



736A75



9000B5



2B0036



# Previews

## White Background



This preview shows how the Hex color 9AE986 looks on a white background.

## Color Contrast Check

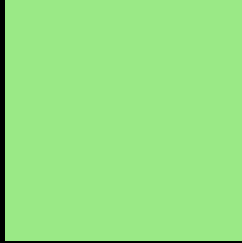
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 9AE986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

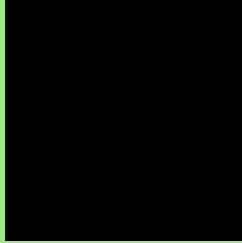
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 9AE986 Background



This preview shows how black text looks on a background with the Hex color 9AE986.

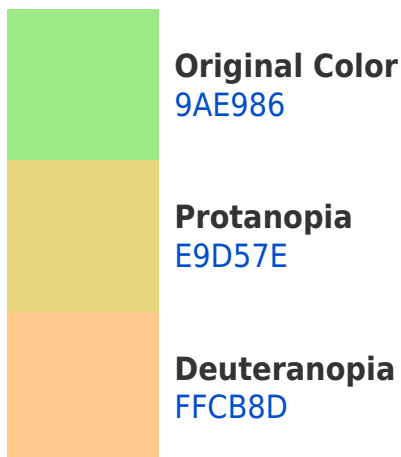


This preview shows how white text looks on a background with the Hex color 9AE986.

# Color Blindness Simulation

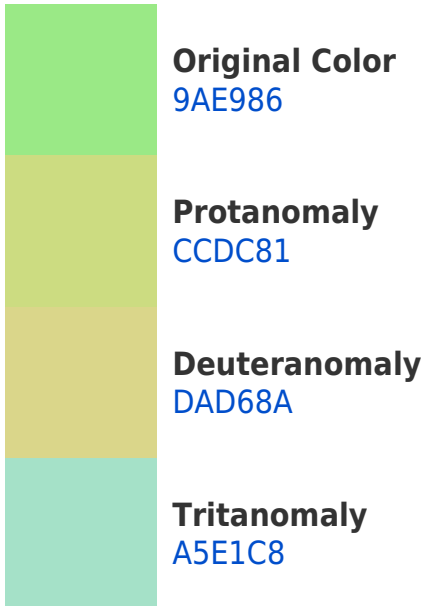
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

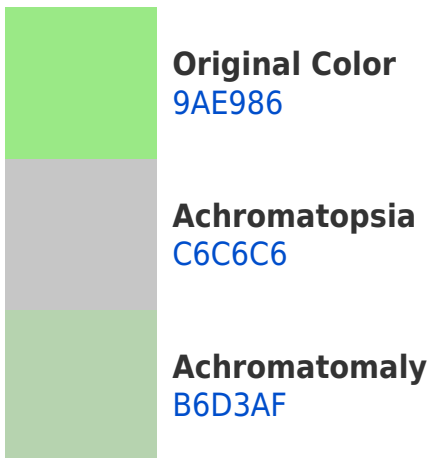




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9AE986 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 #9AE986 looks like.

```
.text, #text, p{  
    color:#9AE986  
}
```

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 #9AE986 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9AE986
}
```

## Border

The CSS property to change the border of an element to Hex 9AE986 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
#9AE986 }
```

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

```
.border{ border-color:#9AE986 }
```

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

Here you see how a box with a 4 pixel #9AE986 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9AE986; -webkit-box-shadow:4px 4px  
4px 4px #9AE986; box-shadow:4px 4px 4px  
4px #9AE986 }
```

# Background

The CSS property to change the background color of an element to Hex 9AE986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9AE986 }
```

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

```
.background{ background-color:#9AE986 }
```

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