

# Converting Colors

Hex(9AE54B)

Have a look what the booklet for  
Hex(9AE54B) contains.

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**Color**

**Hex(9AE54B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE54B
RGB	154, 229, 75
RGB Percent	60%, 90%, 29%
CMY	0.3961, 0.1020, 0.7059
CMYK	0.33, 0.00, 0.67, 0.10
HSL	89°, 75%, 60%
HSV	89°, 67%, 90%
XYZ	42.6157, 63.4166, 16.6512
YIQ	189.0190, 4.7340, -63.7940

# Conversions

## Conversions Part 2

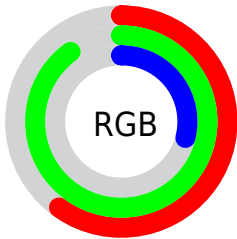
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 229, 150
Decimal	10151243
CIELab	83.66, -46.88, 64.88
CIELCh	84, 80.044, 125.854
Yxy	63.4166, 0.3474, 0.5169
Android (android.graphics.Color)	4288341323 (0xFF9AE54B)
YUV	189.0190, -56.2114, -30.7117
Hunter-Lab	79.6346, -43.8378, 43.3470

# Details

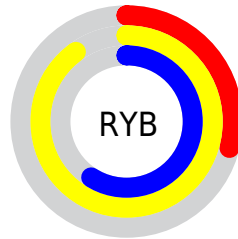
The Hex color **9AE54B** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **964BE5**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **D4FF83**, and **61AD00** is the 20% darker color. If you saturate the color by 10%, you get **8FE534**, and if you desaturate by 10%, it is **A5E562**.

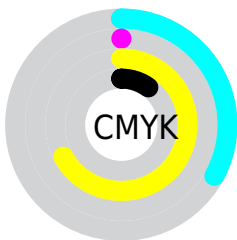
# Distribution



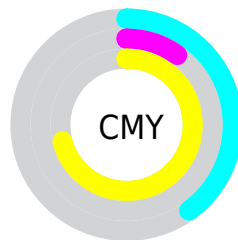
- Red (60%)
- Green (90%)
- Blue (29%)



- Red (29%)
- Yellow (90%)
- Blue (59%)



- Cyan (33%)
- Magenta (0%)
- Yellow (67%)
- Black (10%)



- Cyan (40%)
- Magenta (10%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9AE54B 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 9AE54B by changing the saturation by 10% instead.



 9AE54B

 9AE54B

FFFFFF

 7DC92D

 D4FF83

 61AD00

 F2FF9F

 439200

 FFFFBB

 227800

 FFFF80

 005E00

 FFFFF6

 004600

 002F00

 001500

 000000

 9AE54B

 9AE54B

 8FE534

 A5E562

 84E51D

 B0E579

 79E506

 BBE590

 75E500

 C7E5A7

 D2E5BE

 DDE5D4

 E8E5EB

 F3E5FF

 FEE5FF

# Harmonies

## Analogous

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



E9D221



9AE54B



00F090

# Triad

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



9AE54B



00E9FF



FF87C5

# Complementary

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



9AE54B



964BE5

# 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.



FF95FF



9AE54B



1ED4FF

# Square

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



9AE54B



00F2FF



E6B6FF



FF977C

# Rectangle

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



9AE54B



00F3C3



E6B6FF



FF88DE

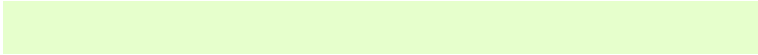


# Sweetspot

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



9AE54B



E6FFCC



E5954B



718061



000000



808080



# Same Dimension

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



9AE54B



9AFF30



4EE54B



6D7367



5CB300



1A3300



# Inverse Universe

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



964BE5



9530FF



E24BE5



6D6773



5700B3

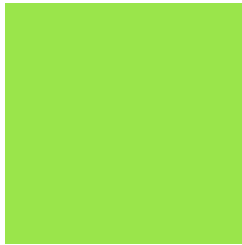


190033



# Previews

## White Background



This preview shows how the Hex color 9AE54B looks on a white background.

## Color Contrast Check

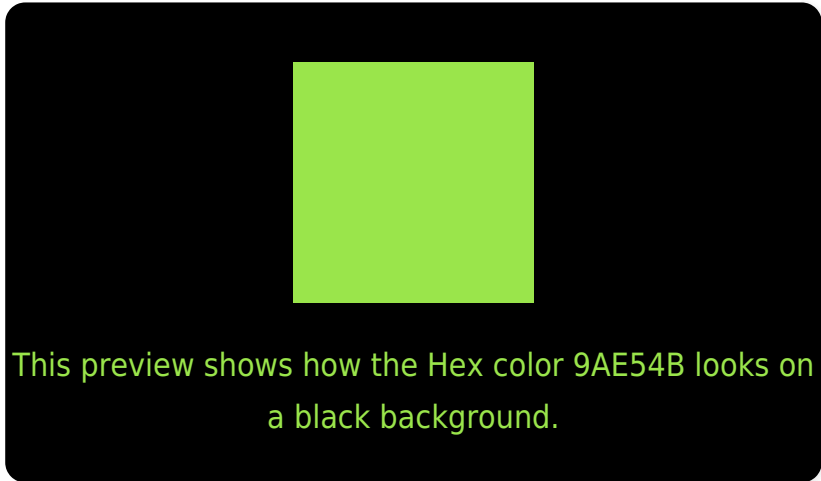
Large Text (above 18pt) WCAG AA × Fail

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 9AE54B Background



This preview shows how black text looks on a background with the Hex color 9AE54B.

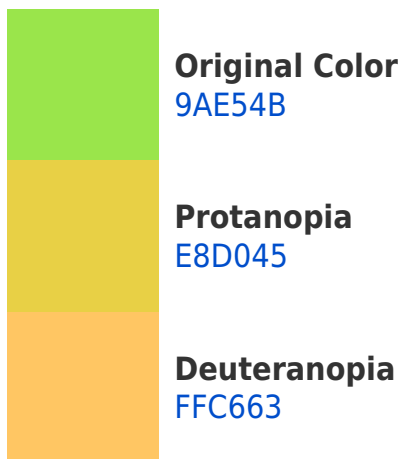


This preview shows how white text looks on a background with the Hex color 9AE54B.

# 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](#).

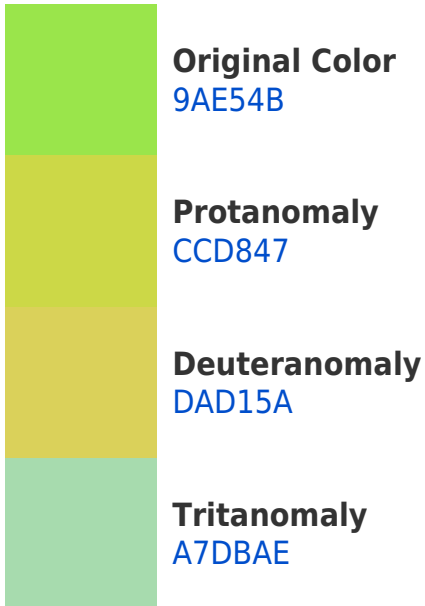
## Dichromacy



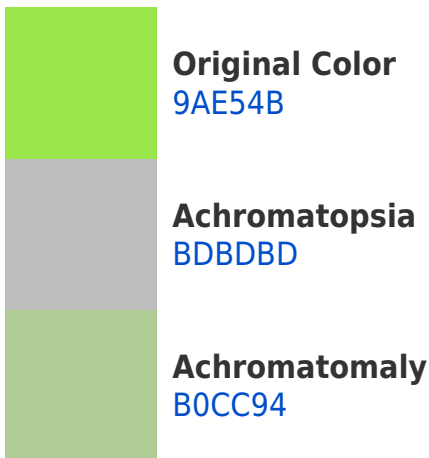


**Tritanopia**  
AFD6E7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9AE54B 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 #9AE54B looks like.

```
.text, #text, p{  
    color:#9AE54B  
}
```

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 #9AE54B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9AE54B
}
```

## Border

The CSS property to change the border of an element to Hex 9AE54B 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
#9AE54B }
```

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

```
.border{ border-color:#9AE54B }
```

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

Here you see how a box with a 4 pixel #9AE54B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9AE54B; -webkit-box-shadow:4px 4px  
4px 4px #9AE54B; box-shadow:4px 4px 4px  
4px #9AE54B }
```

# Background

The CSS property to change the background color of an element to Hex 9AE54B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9AE54B }
```

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

```
.background{ background-color:#9AE54B }
```

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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