

# Converting Colors

Hex(AEE038)

Have a look what the booklet for  
Hex(AEE038) contains.

<b>Hex(AEE038)</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(AEE038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE038
RGB	174, 224, 56
RGB Percent	68%, 88%, 22%
CMY	0.3176, 0.1216, 0.7804
CMYK	0.22, 0.00, 0.75, 0.12
HSL	78°, 73%, 55%
HSV	78°, 75%, 88%
XYZ	44.8250, 62.5955, 13.4610
YIQ	189.8980, 24.1280, -62.8480

# Conversions

## Conversions Part 2

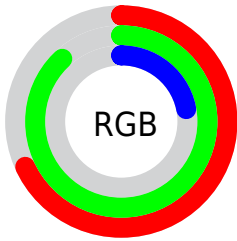
Format	Color
<b>RYB</b>	56, 224, 106
Decimal	11460664
CIELab	83.23, -38.52, 71.45
CIELCh	83, 81.173, 118.329
Yxy	62.5955, 0.3708, 0.5178
Android (android.graphics.Color)	4289650744 (0xFFAEE038)
YUV	189.8980, -66.0117, -13.9425
Hunter-Lab	79.1173, -37.3236, 45.2945

# Details

The Hex color **AEE038** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **6A38E0**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **E9FF73**, and **75A900** is the 20% darker color. If you saturate the color by 10%, you get **A7E022**, and if you desaturate by 10%, it is **B5E04E**.

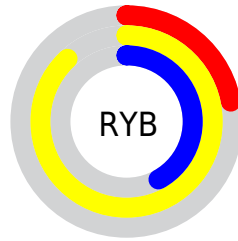
# Distribution



Red (68%)

Green (88%)

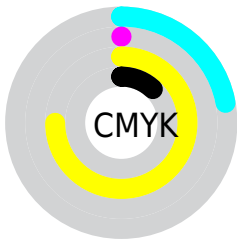
Blue (22%)



Red (22%)

Yellow (88%)

Blue (42%)

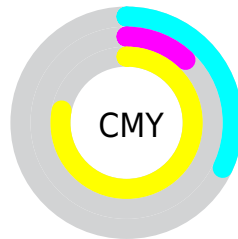


Cyan (22%)

Magenta (0%)

Yellow (75%)

Black (12%)



Cyan (32%)

Magenta (12%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AEE038 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 AEE038 by changing the saturation by 10% instead.



 AEE038

 AEE038

FFFFFF

 91C410

 E9FF73

 75A900

 FFFF8F

 588E00

 FFFFAC

 3C7400

 FFFFC9

 1C5B00

 FFFF E6

 004300

 002C00

 001300

 000000

 AEE038

 AEE038

 A7E022

 B5E04E

 A1E00B

 BBE065

 9DE000

 C2E07B

 C9E092

 CFE0A8

 D6E0BE

 DDE0D5

 E3E0EB

 EAE0FF

# Harmonies

## Analogous

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



F9CA1B



AEE038



31ED7B

# Triad

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



AEE038



00EBFF



FF85D7

# Complementary

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



AEE038



6A38E0

# 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.



FF9BFF



AEE038



00DAFF

# Square

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



AEE038



00F3FF



C6BDFF



FF8E8B

# Rectangle

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



AEE038



00F2AE



C6BDFF



FF89F1

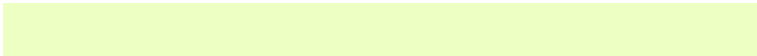


# Sweetspot

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



AEE038



EEFFC4



E06838



75805C



000000



808080



# Same Dimension

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



AEE038



BBFF19



5CE038



6D7065



7CB000



223000



# Inverse Universe

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



6A38E0



5E19FF



BC38E0



686570



3400B0



0E0030



# Previews

## White Background



This preview shows how the Hex color AEE038 looks on a white background.

## Color Contrast Check

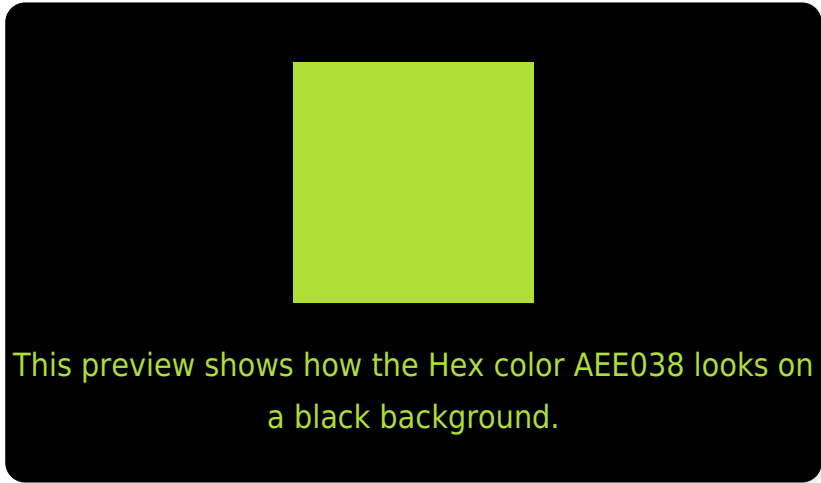
Large Text (above 18pt) WCAG AA × Fail

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 AEE038 Background



This preview shows how black text looks on a background with the Hex color AEE038.

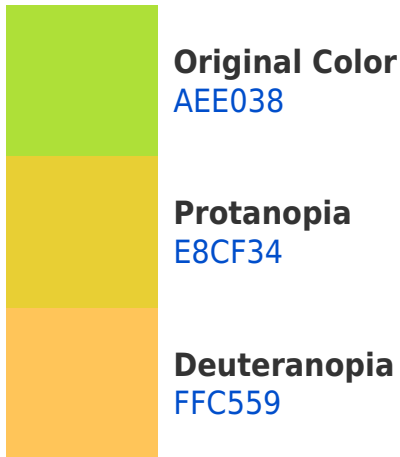


This preview shows how white text looks on a background with the Hex color AEE038.

# 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**  
C1D1E1

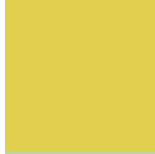
# Trichromacy



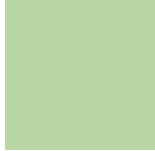
**Original Color**  
AEE038



**Protanomaly**  
D3D535



**Deuteranomaly**  
E2CF4D

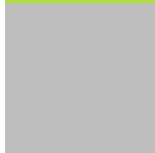


**Tritanomaly**  
BAD6A4

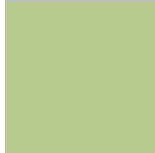
# Monochromacy



**Original Color**  
AEE038



**Achromatopsia**  
BEBEBE



**Achromatomaly**  
B8CA8D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AEE038 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 #AEE038 looks like.

```
.text, #text, p{  
    color:#AEE038  
}
```

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 #AEE038 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AEE038
}
```

## Border

The CSS property to change the border of an element to Hex AEE038 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
#AEE038 }
```

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

```
.border{ border-color:#AEE038 }
```

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

Here you see how a box with a 4 pixel #AEE038 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AEE038; -webkit-box-shadow:4px 4px  
4px 4px #AEE038; box-shadow:4px 4px 4px  
4px #AEE038 }
```

# Background

The CSS property to change the background color of an element to Hex AEE038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AEE038 }
```

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

```
.background{ background-color:#AEE038 }
```

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