

# Converting Colors

Hex(8AEF2B)

Have a look what the booklet for  
Hex(8AEF2B) contains.

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**Color**

**Hex(8AEF2B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AEF2B
RGB	138, 239, 43
RGB Percent	54%, 94%, 17%
CMY	0.4588, 0.0627, 0.8314
CMYK	0.42, 0.00, 0.82, 0.06
HSL	91°, 86%, 55%
HSV	91°, 82%, 94%
XYZ	41.7838, 67.3107, 13.0755
YIQ	186.4570, 2.7200, -82.3680

# Conversions

## Conversions Part 2

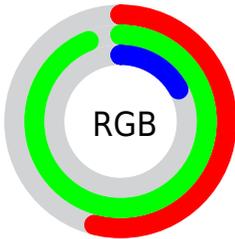
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 239, 144
Decimal	9105195
CIE <sub>Lab</sub>	85.66, -58.01, 76.60
CIE <sub>LCh</sub>	86, 96.090, 127.135
Yxy	67.3107, 0.3420, 0.5510
Android (android.graphics.Color)	4287295275 (0xFF8AEF2B)
YUV	186.4570, -70.7243, -42.4968
Hunter-Lab	82.0431, -52.6670, 47.9809

# Details

The Hex color **8AEF2B** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **902BEF**, and the grayscale version is **BBBBBB**.

A 20% lighter version of the original color is **C6FF6B**, and **4CB600** is the 20% darker color. If you saturate the color by 10%, you get **7EEF13**, and if you desaturate by 10%, it is **96EF43**.

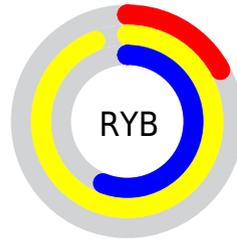
# Distribution



Red (54%)

Green (94%)

Blue (17%)



Red (17%)

Yellow (94%)

Blue (56%)

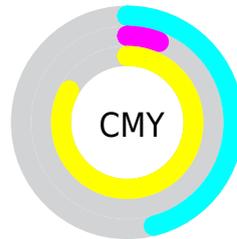


Cyan (42%)

Magenta (0%)

Yellow (82%)

Black (6%)



Cyan (46%)

Magenta (6%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8AEF2B 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 8AEF2B by changing the saturation by 10% instead.

 8AEF2B

 8AEF2B

FFFFFF

 6CD200

 C6FF6B

 4CB600

 E5FF88

 269B00

 FFFFA5

 008000

 FFFF C3

 006600

 FFFF E0

 004D00

FFFFFFE

 003500

 001C00

 000000

 8AEF2B

 8AEF2B

 7EEF13

 96EF43

 74EF00

 A3EF5B

 AFEF73

 BB EF8B

 C8EFA3

 D4EFBA

 E0EFD2

 EDEFEA

 F9EFFF

# Harmonies

## Analogous

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



ECD900



8AEF2B



00FB8B

# Triad

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



8AEF2B



00F2FF



FF72C4

# Complementary

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



8AEF2B



902BEF

# 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.



FF86FF



8AEF2B



00DAFF

# Square

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



8AEF2B



00DFF



F2B3FF



FF8D6D

# Rectangle

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



8AEF2B



00FECA



F2B3FF



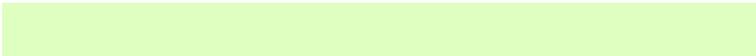
FF73E3

# Sweetspot

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



8AEF2B



DEFFBF



EF8D2B



6C8059



000000



808080



# Same Dimension

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



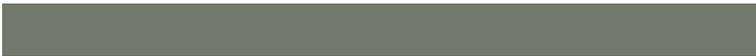
8AEF2B



7EFF05



2BEF2B



72786C



59B800



1B3800



# Inverse Universe

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



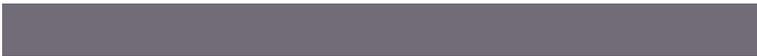
902BEF



8605FF



EF2BEF



726C78



5F00B8

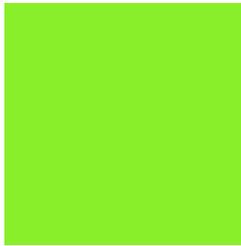


1D0038



# Previews

## White Background



This preview shows how the Hex color 8AEF2B looks on a white background.

## Color Contrast Check

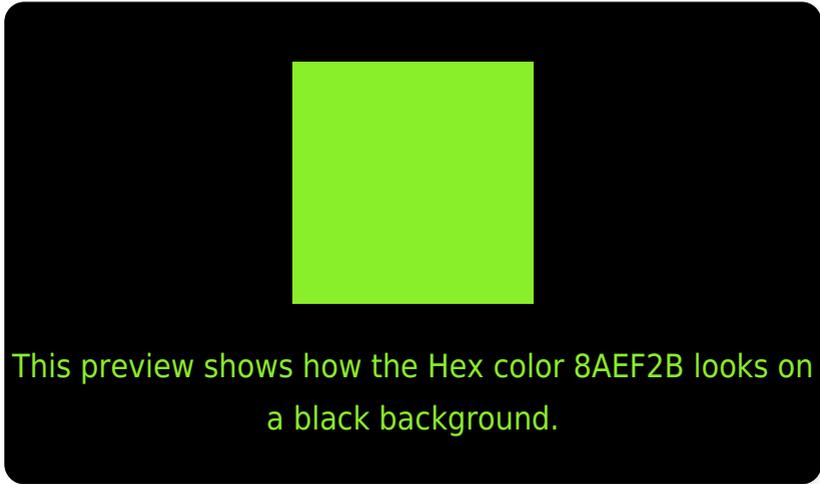
Large Text (above 18pt) WCAG AA × Fail

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

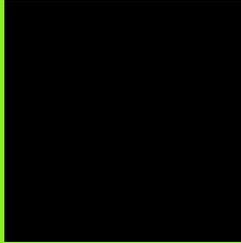
Any Text WCAG AA ✓ Pass

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 8AEF2B Background



This preview shows how black text looks on a background with the Hex color 8AEF2B.

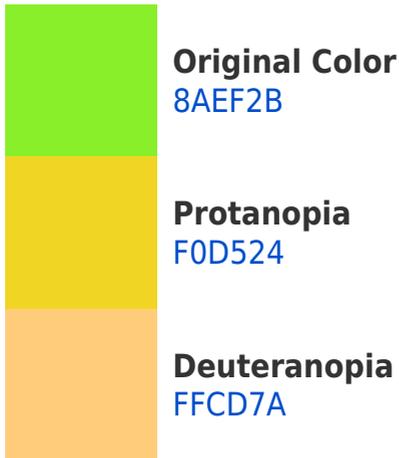


This preview shows how white text looks on a background with the Hex color 8AEF2B.

# 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**  
A5DEF0

# Trichromacy



**Original Color**  
8AEF2B



**Protanomaly**  
CBDE27



**Deuteranomaly**  
D4D95D



**Tritanomaly**  
9BE4A8

# Monochromacy



**Original Color**  
8AEF2B



**Achromatopsia**  
BABABA



**Achromatomaly**  
A9CD86

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8AEF2B 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 #8AEF2B looks like.

```
.text, #text, p{  
    color:#8AEF2B  
}
```

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 #8AEF2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8AEF2B
}
```

## Border

The CSS property to change the border of an element to Hex 8AEF2B 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
#8AEF2B }
```

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

```
.border{ border-color:#8AEF2B }
```

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

Here you see how a box with a 4 pixel #8AEF2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8AEF2B; -webkit-box-shadow:4px 4px  
4px 4px #8AEF2B; box-shadow:4px 4px 4px  
4px #8AEF2B }
```

# Background

The CSS property to change the background color of an element to Hex 8AEF2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8AEF2B }
```

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

```
.background{ background-color:#8AEF2B }
```

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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