

# Converting Colors

Hex(9EE23A)

Have a look what the booklet for  
Hex(9EE23A) contains.

<b>Hex(9EE23A)</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(9EE23A)

# Conversions

## Conversions Part 1

Format	Color
Hex	9EE23A
RGB	158, 226, 58
RGB Percent	62%, 89%, 23%
CMY	0.3804, 0.1137, 0.7725
CMYK	0.30, 0.00, 0.74, 0.11
HSL	84°, 74%, 56%
HSV	84°, 74%, 89%
XYZ	42.0606, 61.9673, 13.7470
YIQ	186.5160, 13.4000, -66.6640

# Conversions

## Conversions Part 2

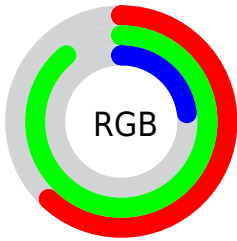
Format	Color
<a href="#">RYB</a>	<a href="#">58, 226, 126</a>
Decimal	<a href="#">10412602</a>
CIELab	<a href="#">82.90, -45.25, 70.18</a>
CIElCh	<a href="#">83, 83.503, 122.817</a>
Yxy	<a href="#">61.9673, 0.3571, 0.5261</a>
Android (android.graphics.Color)	<a href="#">4288602682</a> ( <a href="#">0xFF9EE23A</a> )
YUV	<a href="#">186.5160, -63.3584, -25.0085</a>
Hunter-Lab	<a href="#">78.7193, -42.3842, 44.7495</a>

# Details

The Hex color **9EE23A** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7E3AE2**, and the grayscale version is **BBBBBB**.

A 20% lighter version of the original color is **D9FF74**, and **64AA00** is the 20% darker color. If you saturate the color by 10%, you get **95E223**, and if you desaturate by 10%, it is **A7E251**.

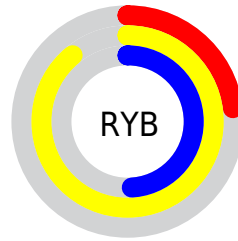
# Distribution



Red (62%)

Green (89%)

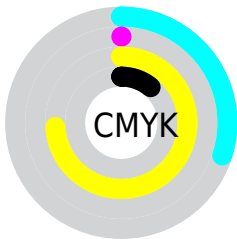
Blue (23%)



Red (23%)

Yellow (89%)

Blue (49%)

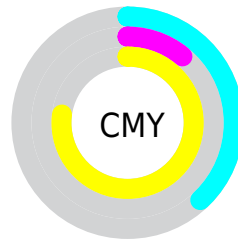


Cyan (30%)

Magenta (0%)

Yellow (74%)

Black (11%)



Cyan (38%)

Magenta (11%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9EE23A 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 9EE23A by changing the saturation by 10% instead.



 9EE23A

 9EE23A

FFFFFF

 81C614

 D9FF74

 64AA00

 F7FF91

 478F00

 FFFFAD

 287500

 FFFFCA

 005C00

 FFFFE8

 004400

 002D00

 001200

 000000

 9EE23A

 9EE23A

 95E223

 A7E251

 8CE20D

 B0E267

 87E200

 B9E27E

 C3E294

 CCE2AB

 D5E2C2

 DEE2D8

 E7E2EF

 F0E2FF

# Harmonies

## Analogous

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



EECD02



9EE23A



00EE83

# Triad

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



9EE23A



00E9FF



FF7FCA

# Complementary

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



9EE23A



7E3AE2

# Split Complementary

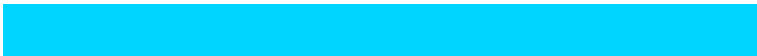
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF93FF



9EE23A



00D5FF

# Square

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



9EE23A



00F2FF



D8B6FF



FF8E7E

# Rectangle

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



9EE23A



00F2B8



D8B6FF



FF82E5

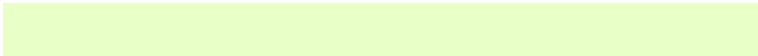


# Sweetspot

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



9EE23A



E8FFC7



E27D3A



72805E



000000



808080



# Same Dimension

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



9EE23A



A3FF1C



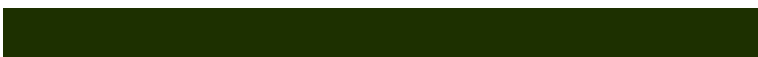
4BE23A



6C7065



69B000



1D3000



# Inverse Universe

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



7E3AE2



781CFF



D13AE2



6A6570



4700B0



140030



# Previews

## White Background



This preview shows how the Hex color 9EE23A 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 9EE23A 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 9EE23A Background



This preview shows how black text looks on a background with the Hex color 9EE23A.

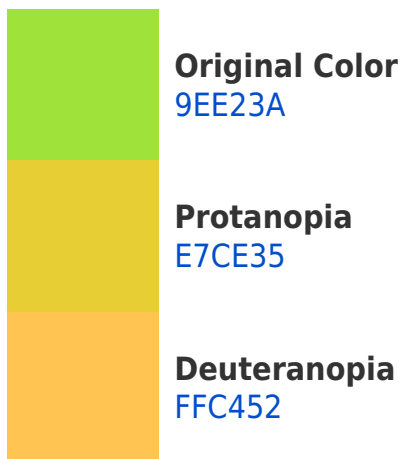


This preview shows how white text looks on a background with the Hex color 9EE23A.

# 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**  
B3D3E4

# Trichromacy



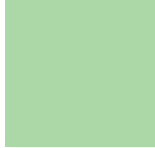
**Original Color**  
9EE23A



**Protanomaly**  
CCD537



**Deuteranomaly**  
DCCF49

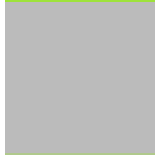


**Tritanomaly**  
ABD8A6

# Monochromacy



**Original Color**  
9EE23A



**Achromatopsia**  
BBBBBB



**Achromatomaly**  
B0C98C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9EE23A 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 #9EE23A looks like.

```
.text, #text, p{  
    color:#9EE23A  
}
```

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 #9EE23A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9EE23A
}
```

## Border

The CSS property to change the border of an element to Hex 9EE23A 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
#9EE23A }
```

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

```
.border{ border-color:#9EE23A }
```

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

Here you see how a box with a 4 pixel #9EE23A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9EE23A; -webkit-box-shadow:4px 4px  
4px 4px #9EE23A; box-shadow:4px 4px 4px  
4px #9EE23A }
```

# Background

The CSS property to change the background color of an element to Hex 9EE23A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9EE23A }
```

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

```
.background{ background-color:#9EE23A }
```

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