

# Converting Colors

Hex(94E023)

Have a look what the booklet for  
Hex(94E023) contains.

|  |    |
|--|----|
| <b>Hex(94E023)</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(94E023)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 94E023                      |
| RGB         | 148, 224, 35                |
| RGB Percent | 58%, 88%, 14%               |
| CMY         | 0.4196, 0.1216, 0.8627      |
| CMYK        | 0.34, 0.00, 0.84, 0.12      |
| HSL         | 84°, 75%, 51%               |
| HSV         | 84°, 84%, 88%               |
| XYZ         | 39.1718, 59.7286, 11.0543   |
| YIQ         | 179.7300, 15.3730, -74.8910 |

# Conversions

## Conversions Part 2

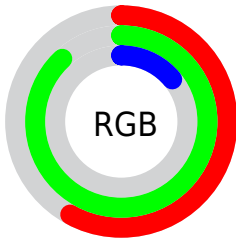
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 35, 224, 111                    |
| Decimal                             | 9756707                         |
| CIE Lab                             | 81.69, -48.99, 75.13            |
| CIE LCh                             | 82, 89.691, 123.107             |
| Yxy                                 | 59.7286, 0.3563,<br>0.5432      |
| Android<br>(android.graphics.Color) | 4287946787<br>(0xFF94E023)      |
| YUV                                 | 179.7300, -71.3519,<br>-27.8272 |
| Hunter-Lab                          | 77.2843, -44.7741,<br>45.6185   |

# Details

The Hex color **94E023** 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 **6F23E0**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **CFFF64**, and **59A800** is the 20% darker color. If you saturate the color by 10%, you get **8BE00D**, and if you desaturate by 10%, it is **9DE039**.

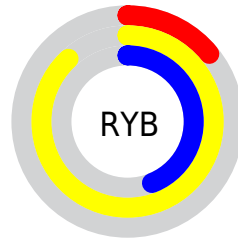
# Distribution



Red (58%)

Green (88%)

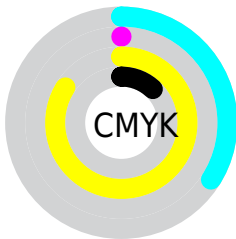
Blue (14%)



Red (14%)

Yellow (88%)

Blue (44%)

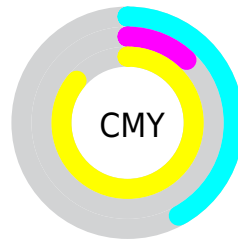


Cyan (34%)

Magenta (0%)

Yellow (84%)

Black (12%)



Cyan (42%)

Magenta (12%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 94E023 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 94E023 by changing the saturation by 10% instead.



 94E023

 94E023

FFFFFF

 77C400

 CFFF64

 59A800

 EDFF81

 3A8D00

 FFFF9E

 147300

 FFFFBB

 005A00

 FFFFD8

 004100

 FFFFF6

 002C00

 000C00

 000000

 94E023

 94E023

 8BE00D

 9DE039

 86E000

 A6E050

 AFE066

 B8E07D

 C1E093

 CAE0A9

 D3E0C0

 DCE0D6

 E5E0ED

# Harmonies

## Analogous

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



EACA00



94E023



00EC7A

# Triad

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



94E023



00E7FF



FF71C6

# Complementary

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



94E023



6F23E0

# 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.



FF88FF



94E023



00D3FF

# Square

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



94E023



00FFFF



D4B0FF



FF8474

# Rectangle

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



94E023



00F0B4



D4B0FF



FF74E2

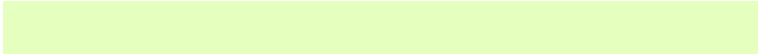


# Sweetspot

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



94E023



E5FFBF



E06F23



708059



000000



808080



# Same Dimension

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



94E023



98FF00



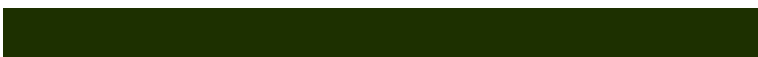
36E023



6C7065



69B000



1D3000



# Inverse Universe

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



6F23E0



6700FF



CD23E0



696570



4700B0



130030



# Previews

## White Background



This preview shows how the Hex color 94E023 looks on a white background.

## Color Contrast Check

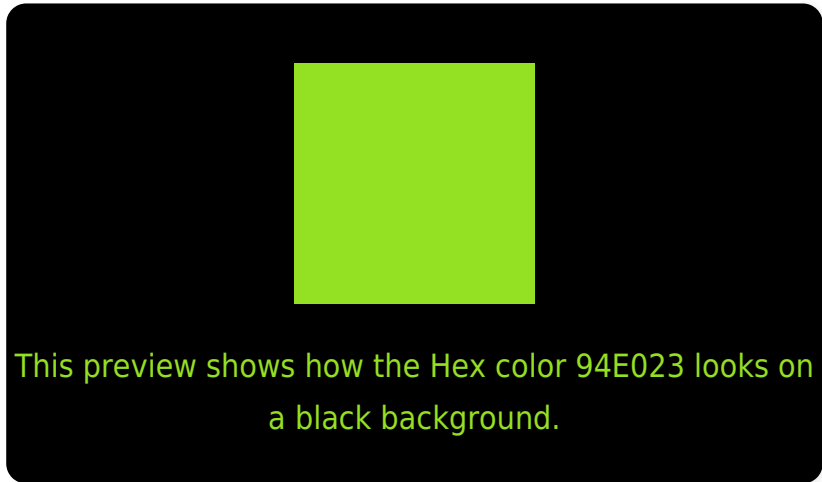
Large Text (above 18pt) WCAG AA × Fail

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 94E023 Background



This preview shows how black text looks on a background with the Hex color 94E023.

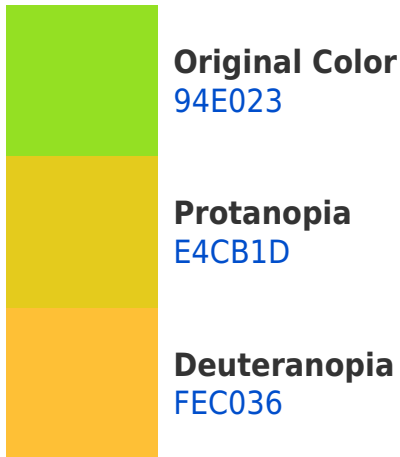


This preview shows how white text looks on a background with the Hex color 94E023.

# 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**  
ABD0E1

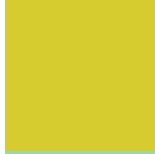
# Trichromacy



**Original Color**  
94E023



**Protanomaly**  
C7D31F



**Deuteranomaly**  
D7CC2F

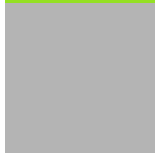


**Tritanomaly**  
A3D69C

# Monochromacy



**Original Color**  
94E023



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
A8C47F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 94E023 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 #94E023 looks like.

```
.text, #text, p{  
    color:#94E023  
}
```

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 #94E023 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #94E023
}
```

## Border

The CSS property to change the border of an element to Hex 94E023 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
#94E023 }
```

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

```
.border{ border-color:#94E023 }
```

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

Here you see how a box with a 4 pixel #94E023 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #94E023; -webkit-box-shadow:4px 4px  
4px 4px #94E023; box-shadow:4px 4px 4px  
4px #94E023 }
```

# Background

The CSS property to change the background color of an element to Hex 94E023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#94E023 }
```

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

```
.background{ background-color:#94E023 }
```

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