

# Converting Colors

Hex(78E123)

Have a look what the booklet for  
Hex(78E123) contains.

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# Color

Hex(78E123)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78E123
RGB	120, 225, 35
RGB Percent	47%, 88%, 14%
CMY	0.5294, 0.1176, 0.8627
CMYK	0.47, 0.00, 0.84, 0.12
HSL	93°, 76%, 51%
HSV	93°, 84%, 88%
XYZ	34.9743, 57.9648, 10.9351
YIQ	171.9450, -1.5900, -81.3500

# Conversions

## Conversions Part 2

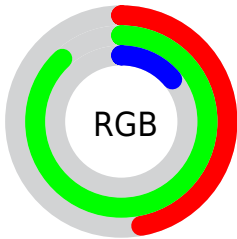
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 225, 140
Decimal	7921955
CIELab	80.72, -58.60, 73.79
CIELCh	81, 94.229, 128.453
Yxy	57.9648, 0.3367, 0.5580
Android (android.graphics.Color)	4286112035 (0xFF78E123)
YUV	171.9450, -67.5139, -45.5558
Hunter-Lab	76.1346, -51.2373, 44.7785

# Details

The Hex color **78E123** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8C23E1**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **B4FF64**, and **37A900** is the 20% darker color. If you saturate the color by 10%, you get **6CE10D**, and if you desaturate by 10%, it is **84E139**.

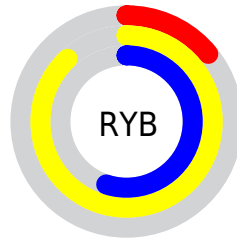
# Distribution



Red (47%)

Green (88%)

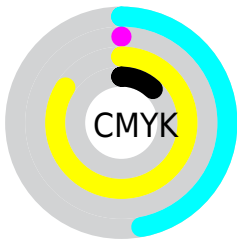
Blue (14%)



Red (14%)

Yellow (88%)

Blue (55%)

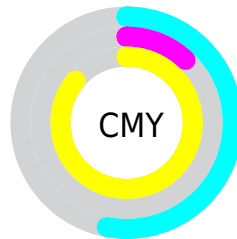


Cyan (47%)

Magenta (0%)

Yellow (84%)

Black (12%)



Cyan (53%)

Magenta (12%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78E123 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 78E123 by changing the saturation by 10% instead.



 78E123

 78E123

FFFFFF

 59C500

 B4FF64

 37A900

 D2FF81

 008E00

 F1FF9E

 007300

 FFFFBB

 005A00

 FFFFD8

 004100

 FFFFF6

 002A00

 000500

 000000

 78E123

 78E123

 6CE10D

 84E139

 65E100

 91E150

 9DE167

 AAE17D

 B6E193

 C3E1AA

 CFE1C1

 DBE1D7

 E8E1EE

# Harmonies

## Analogous

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



D9CD00



78E123



00EC84

# Triad

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



78E123



00E3FF



FF65B3

# Complementary

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



78E123



8C23E1

# 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.



FF78FF



78E123



00CBFF

# Square

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



78E123



00EEFF



E9A5FF



FF825F

# Rectangle

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



78E123



00EFC1



E9A5FF



FF65D1

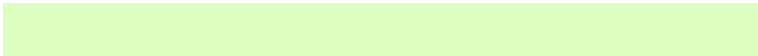


# Sweetspot

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



78E123



DCFFBF



E18B23



6A8059



000000



808080



# Same Dimension

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



78E123



72FF00



23E12C



6A7065



4FB000



163000



# Inverse Universe

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



8C23E1



8D00FF



E123D8



6B6570



6100B0

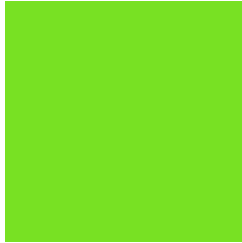


1B0030



# Previews

## White Background



This preview shows how the Hex color 78E123 looks on a white background.

## Color Contrast Check

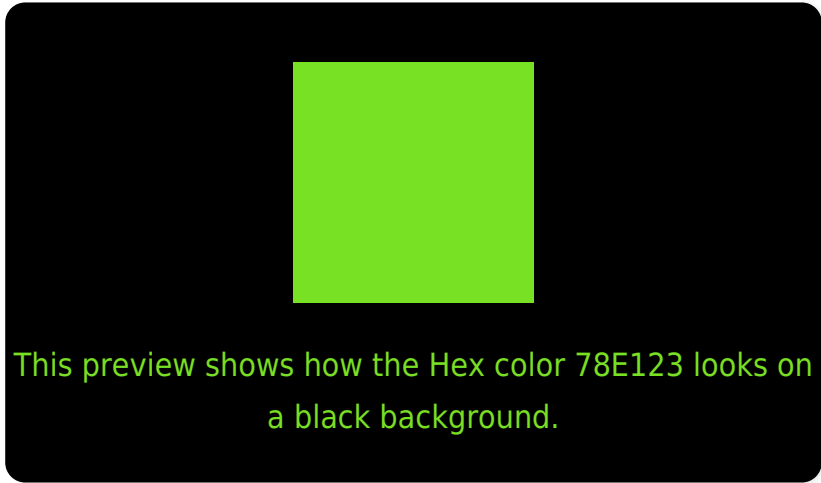
Large Text (above 18pt) WCAG AA × Fail

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 78E123 Background



This preview shows how black text looks on a background with the Hex color 78E123.

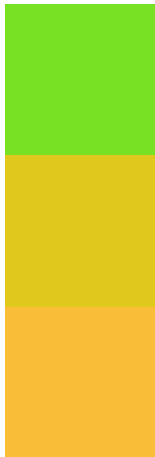


This preview shows how white text looks on a background with the Hex color 78E123.

# 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



**Original Color**  
78E123

**Protanopia**  
E0C81C

**Deuteranopia**  
FABD38



**Tritanopia**  
94D1E2

# Trichromacy



**Original Color**  
78E123



**Protanomaly**  
BAD11F



**Deuteranomaly**  
CBCA30



**Tritanomaly**  
8AD79D

# Monochromacy



**Original Color**  
78E123



**Achromatopsia**  
ACACAC



**Achromatomaly**  
99BF7A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78E123 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 #78E123 looks like.

```
.text, #text, p{  
    color:#78E123  
}
```

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 #78E123 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78E123
}
```

## Border

The CSS property to change the border of an element to Hex 78E123 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
#78E123 }
```

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

```
.border{ border-color:#78E123 }
```

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

Here you see how a box with a 4 pixel #78E123 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78E123; -webkit-box-shadow:4px 4px  
4px 4px #78E123; box-shadow:4px 4px 4px  
4px #78E123 }
```

# Background

The CSS property to change the background color of an element to Hex 78E123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78E123 }
```

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

```
.background{ background-color:#78E123 }
```

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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