

# Converting Colors

Hex(90EA4E)

Have a look what the booklet for  
Hex(90EA4E) contains.

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# Color

Hex(90EA4E)

# Conversions

## Conversions Part 1

Format	Color
Hex	90EA4E
RGB	144, 234, 78
RGB Percent	56%, 92%, 31%
CMY	0.4353, 0.0824, 0.6941
CMYK	0.38, 0.00, 0.67, 0.08
HSL	95°, 79%, 61%
HSV	95°, 67%, 92%
XYZ	42.2996, 65.3250, 17.5873
YIQ	189.3060, -3.5640, -67.5960

# Conversions

## Conversions Part 2

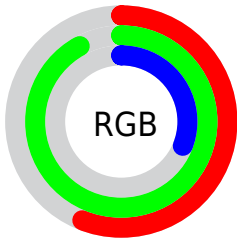
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 234, 168
Decimal	9497166
CIELab	84.65, -52.10, 64.62
CIELCh	85, 83.003, 128.879
Yxy	65.3250, 0.3378, 0.5217
Android (android.graphics.Color)	4287687246 (0xFF90EA4E)
YUV	189.3060, -54.8739, -39.7334
Hunter-Lab	80.8239, -48.0229, 43.6752

# Details

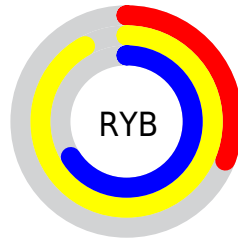
The Hex color **90EA4E** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **A84EEA**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **CBFF86**, and **55B206** is the 20% darker color. If you saturate the color by 10%, you get **82EA37**, and if you desaturate by 10%, it is **9EEA65**.

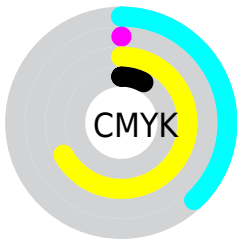
# Distribution



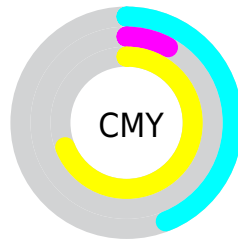
- Red (56%)
- Green (92%)
- Blue (31%)



- Red (31%)
- Yellow (92%)
- Blue (66%)



- Cyan (38%)
- Magenta (0%)
- Yellow (67%)
- Black (8%)



- Cyan (44%)
- Magenta (8%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90EA4E 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 90EA4E by changing the saturation by 10% instead.



 90EA4E

 90EA4E

FFFFFF

 73CD30

 CBFF86

 55B206

 E9FFA2

 369600

 FFFFBF

 077C00

 FFFFDC

 006200

 FFFFF9

 004900

 003200

 001900

 000000

 90EA4E

 90EA4E

 82EA37

 9EEA65

 75EA1F

 ABEA7D

 67EA08

 B9EA94

 63EA00

 C6EAAC

 D3EAC3

 E1EADA

 EFCAF2

 FCEAFF

 FFEAFF

# Harmonies

## Analogous

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



E5D717



90EA4E



00F498

# Triad

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



90EA4E



00EBFF



FF86BF

# Complementary

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



90EA4E



A84EEA

# 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.



FF92FF



90EA4E



45D5FF

# Square

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



90EA4E



00F6FF



F4B4FF



FF9A75

# Rectangle

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



90EA4E



00F8CE



F4B4FF



FF86DA

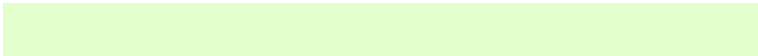


# Sweetspot

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



90EA4E



E2FFCC



EAA64E



6E8061



000000



808080



# Same Dimension

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



90EA4E



89FF33



4EEA58



6F756A



4DB500



173600



# Inverse Universe

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



A84EEA



A933FF



EA4EE0



706A75



6800B5

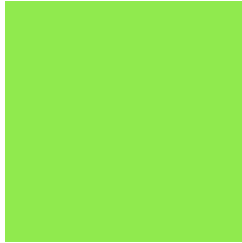


1F0036



# Previews

## White Background



This preview shows how the Hex color 90EA4E looks on a white background.

## Color Contrast Check

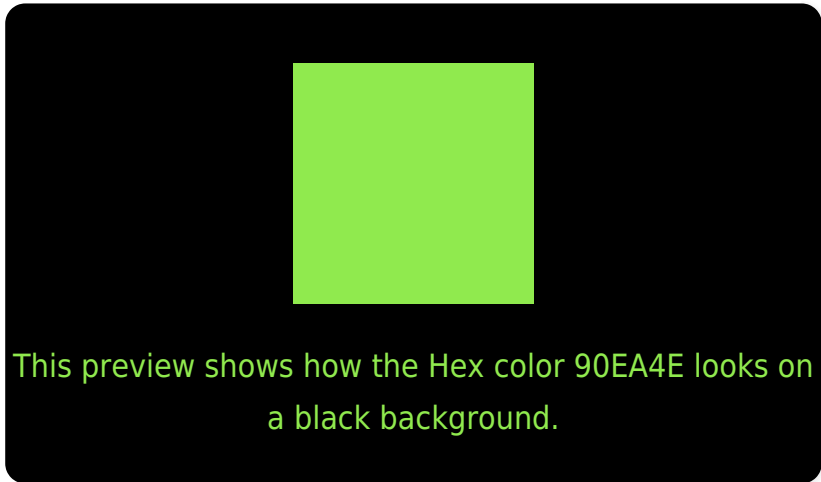
Large Text (above 18pt) WCAG AA × Fail

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 90EA4E Background



This preview shows how black text looks on a background with the Hex color 90EA4E.

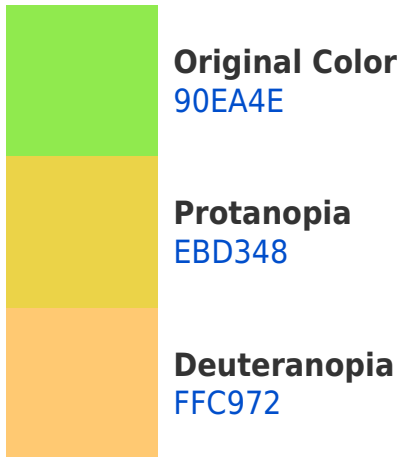


This preview shows how white text looks on a background with the Hex color 90EA4E.

# 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**  
A8DBEC

# Trichromacy



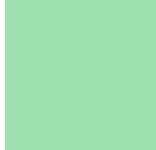
**Original Color**  
90EA4E



**Protanomaly**  
CADB4A



**Deuteranomaly**  
D7D565

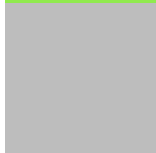


**Tritanomaly**  
9FE0B3

# Monochromacy



**Original Color**  
90EA4E



**Achromatopsia**  
BDBDBD



**Achromatomaly**  
ADCD95

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90EA4E 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 #90EA4E looks like.

```
.text, #text, p{  
    color:#90EA4E  
}
```

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 #90EA4E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90EA4E
}
```

## Border

The CSS property to change the border of an element to Hex 90EA4E 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
#90EA4E }
```

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

```
.border{ border-color:#90EA4E }
```

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

Here you see how a box with a 4 pixel #90EA4E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90EA4E; -webkit-box-shadow:4px 4px  
4px 4px #90EA4E; box-shadow:4px 4px 4px  
4px #90EA4E }
```

# Background

The CSS property to change the background color of an element to Hex 90EA4E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90EA4E }
```

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

```
.background{ background-color:#90EA4E }
```

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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