

# Converting Colors

Hex(90ED2F)

Have a look what the booklet for  
Hex(90ED2F) contains.

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**Color**

**Hex(90ED2F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	90ED2F
RGB	144, 237, 47
RGB Percent	56%, 93%, 18%
CMY	0.4353, 0.0706, 0.8157
CMYK	0.39, 0.00, 0.80, 0.07
HSL	89°, 84%, 56%
HSV	89°, 80%, 93%
XYZ	42.2989, 66.7029, 13.3349
YIQ	187.5330, 5.5620, -78.8060

# Conversions

## Conversions Part 2

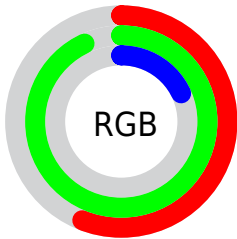
Format	Color
<a href="#">RYB</a>	<a href="#">47, 237, 140</a>
Decimal	<a href="#">9497903</a>
CIELab	<a href="#">85.35, -55.13, 75.43</a>
CIElCh	<a href="#">85, 93.427, 126.163</a>
Yxy	<a href="#">66.7029, 0.3458, 0.5452</a>
Android (android.graphics.Color)	<a href="#">4287687983</a> ( <a href="#">0xFF90ED2F</a> )
YUV	<a href="#">187.5330, -69.2828, -38.1784</a>
Hunter-Lab	<a href="#">81.6718, -50.4783, 47.4898</a>

# Details

The Hex color **90ED2F** 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 **8C2FED**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **CCFF6E**, and **53B400** is the 20% darker color. If you saturate the color by 10%, you get **84ED17**, and if you desaturate by 10%, it is **9CED47**.

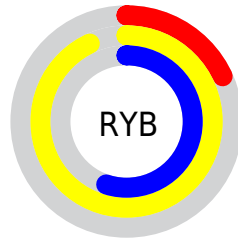
# Distribution



Red (56%)

Green (93%)

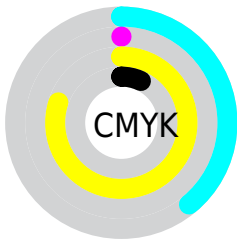
Blue (18%)



Red (18%)

Yellow (93%)

Blue (55%)

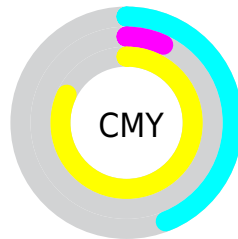


Cyan (39%)

Magenta (0%)

Yellow (80%)

Black (7%)



Cyan (44%)

Magenta (7%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90ED2F 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 90ED2F by changing the saturation by 10% instead.



 90ED2F

 90ED2F

FFFFFF

 72D000

 CCFF6E

 53B400

 EAFF8A

 319900

 FFFFA7

 007E00

 FFFFC5

 006500

 FFFFE2

 004B00

 003400

 001B00

 000000

 90ED2F

 90ED2F

 84ED17

 9CED47

 79ED00

 A7ED5E

 B3ED76

 BEED8E

 CAEDA5

 D6EDBD

 E1EDD5

 EDEDED

 F8EDFF

# Harmonies

## Analogous

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



EED700



90ED2F



00F98A

# Triad

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



90ED2F



00F1FF



FF76C7

# Complementary

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



90ED2F



8C2FED

# Split Complementary

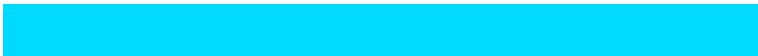
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF8AFF



90ED2F



00DAFF

# Square

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



90ED2F



00FCFF



EDB5FF



FF8E72

# Rectangle

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



90ED2F



00FDC7



EDB5FF



FF78E5

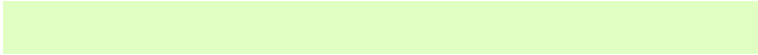


# Sweetspot

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



90ED2F



E1FFC2



ED8B2F



6D805B



000000



808080



# Same Dimension

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



90ED2F



87FF0A



32ED2F



70756A



5CB500



1B3600



# Inverse Universe

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



8C2FED



820AFF



EA2FED



6F6A75



5900B5

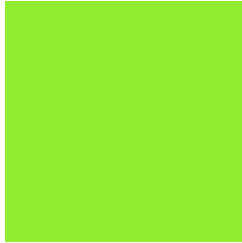


1A0036



# Previews

## White Background



This preview shows how the Hex color 90ED2F looks on a white background.

## Color Contrast Check

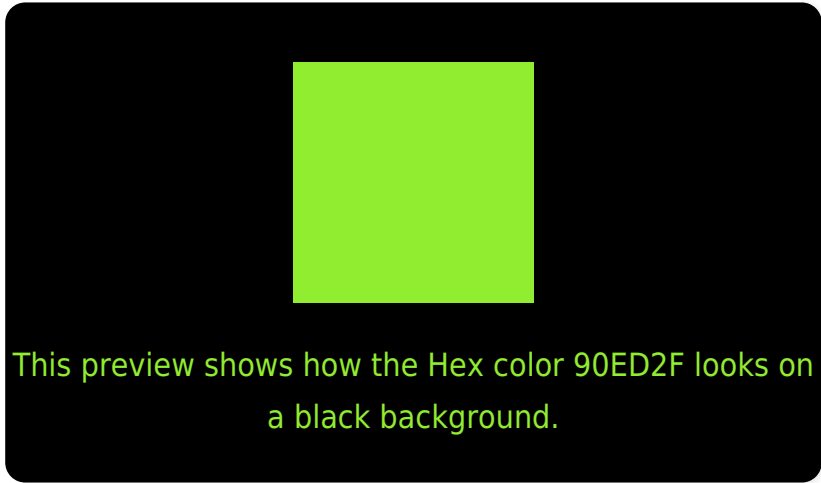
Large Text (above 18pt) WCAG AA × Fail

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 90ED2F Background



This preview shows how black text looks on a background with the Hex color 90ED2F.



This preview shows how white text looks on a background with the Hex color 90ED2F.

# 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**  
90ED2F

**Protanopia**  
EFD529

**Deuteranopia**  
FFCC77



# Trichromacy



**Original Color**  
90ED2F



**Protanomaly**  
CCDE2B



**Deuteranomaly**  
D7D85D

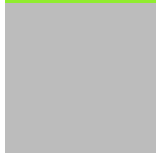


**Tritanomaly**  
A1E3A9

# Monochromacy



**Original Color**  
90ED2F



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
ACCE89

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90ED2F 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 #90ED2F looks like.

```
.text, #text, p{  
    color:#90ED2F  
}
```

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 #90ED2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90ED2F
}
```

## Border

The CSS property to change the border of an element to Hex 90ED2F 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
#90ED2F }
```

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

```
.border{ border-color:#90ED2F }
```

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

Here you see how a box with a 4 pixel #90ED2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90ED2F; -webkit-box-shadow:4px 4px  
4px 4px #90ED2F; box-shadow:4px 4px 4px  
4px #90ED2F }
```

# Background

The CSS property to change the background color of an element to Hex 90ED2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90ED2F }
```

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

```
.background{ background-color:#90ED2F }
```

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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