

# Converting Colors

Hex(FF81E8)

Have a look what the booklet for  
Hex(FF81E8) contains.

<b>Hex(FF81E8)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(F81E8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF81E8
RGB	255, 129, 232
RGB Percent	100%, 51%, 91%
CMY	0.0000, 0.4941, 0.0902
CMYK	0.00, 0.49, 0.09, 0.00
HSL	311°, 100%, 75%
HSV	311°, 49%, 100%
XYZ	63.6557, 42.7867, 81.2476
YIQ	178.4160, 42.0330, 58.7450

# Conversions

## Conversions Part 2

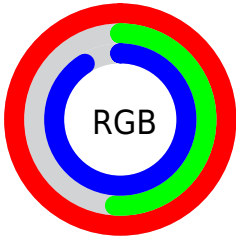
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 129, 232
Decimal	16744936
CIE <sub>Lab</sub>	71.41, 60.69, -30.70
CIE <sub>LCh</sub>	71, 68.013, 333.170
Yxy	42.7867, 0.3392, 0.2280
Android (android.graphics.Color)	4294935016 (0xFFFF81E8)
YUV	178.4160, 26.4169, 67.1642
Hunter-Lab	65.4116, 59.2384, -27.8559

# Details

The Hex color **FF81E8** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81FF98**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **FFB9FF**, and **C449B0** is the 20% darker color. If you saturate the color by 10%, you get **FF68E3**, and if you desaturate by 10%, it is **FF9BED**.

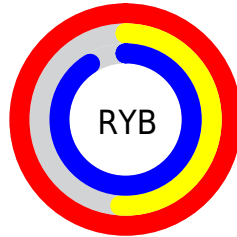
# Distribution



Red (100%)

Green (51%)

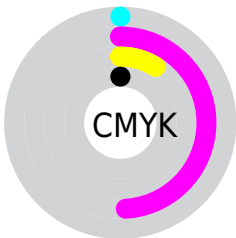
Blue (91%)



Red (100%)

Yellow (51%)

Blue (91%)

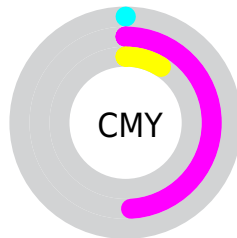


Cyan (0%)

Magenta (49%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF81E8 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 FF81E8 by changing the saturation by 10% instead.



 FF81E8

 FF81E8

FFFFFF

 E165CC

 FFB9FF

 C449B0

 FFD6FF

 A72B95

 FFF4FF

 8B007B

 6F0062

 54004A

 3B0033

 1E001D

 000000

 FF81E8

 FF81E8

 FF68E3

 FF9BED

 FF4EDF

 FFB4F1

 FF35DA

 FFCE66

 FF1BD5

 FFE7FB

 FF02D1

FFFFFF

 FF00D0

# Harmonies

## Analogous

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



B99CFF



FF81E8



FF73AB

# Triad

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



FF81E8



C9AE22



00CBF1

# Complementary

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



FF81E8



81FF98

# 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.



00CCB4



FF81E8



89BF3E

# Square

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



FF81E8



FA973D



0AC874



00C4FF

# Rectangle

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



FF81E8



FF7882



0AC874



00CCDE



# Sweetspot

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



FF81E8



FFD9F8



9681FF



80697B



000000



808080



# Same Dimension

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



FF81E8



FF69E4



FF81AB



80737D



BF009C



400034



# Inverse Universe

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



FF81E8



FF69E4



81FFD5



80737D



BF009C



400034



# Previews

## White Background



This preview shows how the Hex color FF81E8 looks on a white background.

## Color Contrast Check

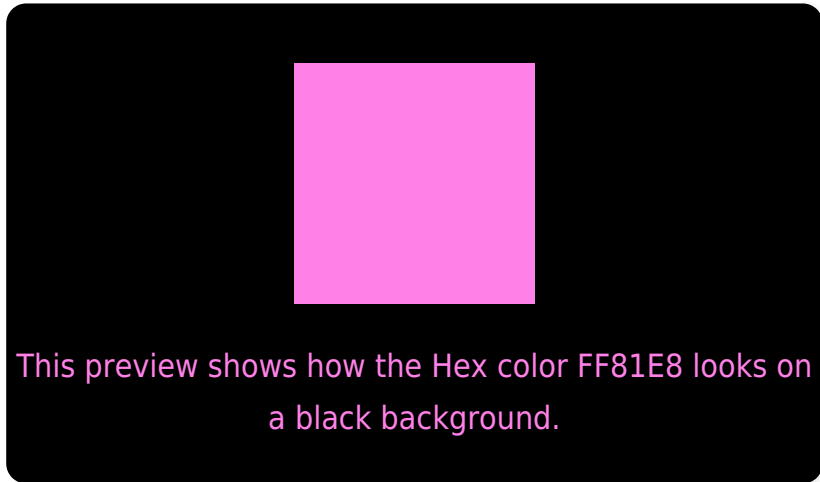
Large Text (above 18pt) WCAG AA × Fail

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 FF81E8 Background



This preview shows how black text looks on a background with the Hex color FF81E8.




This preview shows how white text looks on a background with the Hex color FF81E8.

# 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



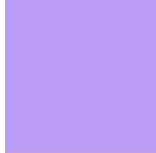


**Tritanopia**  
F7929D

# Trichromacy



**Original Color**  
FF81E8



**Protanomaly**  
BB9DF7



**Deuteranomaly**  
C69CE4



**Tritanomaly**  
FA8CB8

# Monochromacy



**Original Color**  
FF81E8



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
CEA0C6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF81E8 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 #FF81E8 looks like.

```
.text, #text, p{  
    color:#FF81E8  
}
```

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 #FF81E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF81E8
}
```

## Border

The CSS property to change the border of an element to Hex FF81E8 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
#FF81E8 }
```

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

```
.border{ border-color:#FF81E8 }
```

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

Here you see how a box with a 4 pixel #FF81E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF81E8; -webkit-box-shadow:4px 4px  
4px 4px #FF81E8; box-shadow:4px 4px 4px  
4px #FF81E8 }
```

# Background

The CSS property to change the background color of an element to Hex FF81E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF81E8 }
```

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

```
.background{ background-color:#FF81E8 }
```

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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