

# Converting Colors

Hex(DD77EE)

Have a look what the booklet for  
Hex(DD77EE) contains.

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# Color

**Hex(DD77EE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD77EE
RGB	221, 119, 238
RGB Percent	87%, 47%, 93%
CMY	0.1333, 0.5333, 0.0667
CMYK	0.07, 0.50, 0.00, 0.07
HSL	291°, 78%, 70%
HSV	291°, 50%, 93%
XYZ	51.8482, 34.7389, 84.8615
YIQ	163.0640, 22.5930, 58.6330

# Conversions

## Conversions Part 2

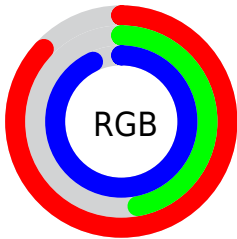
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 119, 238
Decimal	14514158
CIE Lab	65.54, 57.05, -43.46
CIE LCh	66, 71.721, 322.702
Yxy	34.7389, 0.3024, 0.2026
Android (android.graphics.Color)	4292704238 (0xFFDD77EE)
YUV	163.0640, 36.9434, 50.8099
Hunter-Lab	58.9397, 53.8790, -44.1081

# Details

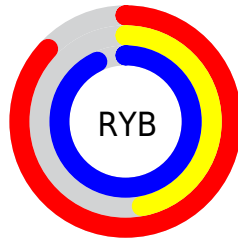
The Hex color **DD77EE** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **88EE77**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **FFAEFF**, and **A341B6** is the 20% darker color. If you saturate the color by 10%, you get **DA5FEE**, and if you desaturate by 10%, it is **E08FEE**.

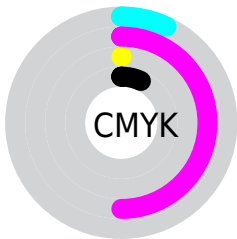
# Distribution



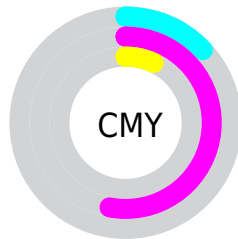
- Red (87%)
- Green (47%)
- Blue (93%)



- Red (87%)
- Yellow (47%)
- Blue (93%)



- Cyan (7%)
- Magenta (50%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (53%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DD77EE 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 DD77EE by changing the saturation by 10% instead.



 DD77EE

 DD77EE

FFFFFF

 C05CD1

 FFAEFF

 A341B6

 FFCBFF

 88249A

 FFE8FF

 6C0080

 510066

 37004E

 1E0036

 000220

 000003

 DD77EE

 DD77EE

 DA5FEE

 E08FEE

 D647EE

 E4A7EE

 D330EE

 E7BE EE

 CF18EE

 EBD6EE

 CC00EE

 EEEEE E

 F1FFEE

 F5FFEE

 F8FFEE

 FCFFEE

# Harmonies

## Analogous

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



7E95FF



DD77EE



FF5FB2

# Triad

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



DD77EE



CB9700



00BDCF

# Complementary

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



DD77EE



88EE77

# 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.



00BC8D



DD77EE



8FAA09

# Square

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



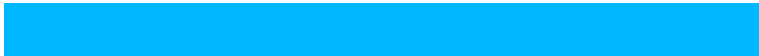
DD77EE



F97C38



33B64C



00B8FF

# Rectangle

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



DD77EE



FF5E87



33B64C



00BDBA



# Sweetspot

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



DD77EE



FAD9FF



7789EE



7C6980



000000



808080



# Same Dimension

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



DD77EE



E966FF



EE77C4



766C78



9D00B8



300038



# Inverse Universe

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



EE7788



FF667C



77EEA1



786C6E



B8001A

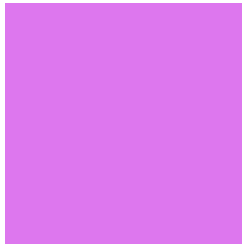


380008



# Previews

## White Background



This preview shows how the Hex color DD77EE 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

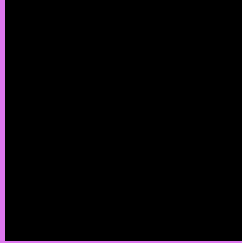
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex DD77EE Background



This preview shows how black text looks on a background with the Hex color DD77EE.

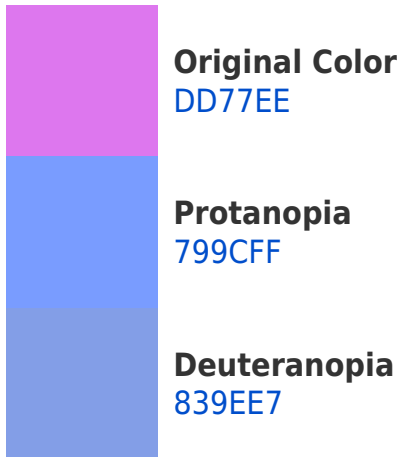



This preview shows how white text looks on a background with the Hex color DD77EE.

# 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**  
D18C97

# Trichromacy



**Original Color**  
DD77EE



**Protanomaly**  
9D8FF9



**Deuteranomaly**  
A490EA



**Tritanomaly**  
D584B7

# Monochromacy



**Original Color**  
DD77EE



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
B893BE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DD77EE 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 #DD77EE looks like.

```
.text, #text, p{  
    color:#DD77EE  
}
```

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 #DD77EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DD77EE
}
```

## Border

The CSS property to change the border of an element to Hex DD77EE 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
#DD77EE }
```

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

```
.border{ border-color:#DD77EE }
```

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

Here you see how a box with a 4 pixel #DD77EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DD77EE; -webkit-box-shadow:4px 4px  
4px 4px #DD77EE; box-shadow:4px 4px 4px  
4px #DD77EE }
```

# Background

The CSS property to change the background color of an element to Hex DD77EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DD77EE }
```

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

```
.background{ background-color:#DD77EE }
```

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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