

# Converting Colors

Hex(DA87E6)

Have a look what the booklet for  
Hex(DA87E6) contains.

<b>Hex(DA87E6)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(DA87E6)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA87E6
RGB	218, 135, 230
RGB Percent	85%, 53%, 90%
CMY	0.1451, 0.4706, 0.0980
CMYK	0.05, 0.41, 0.00, 0.10
HSL	292°, 66%, 72%
HSV	292°, 41%, 90%
XYZ	51.8603, 37.9465, 79.4540
YIQ	170.6470, 18.9730, 47.1410

# Conversions

## Conversions Part 2

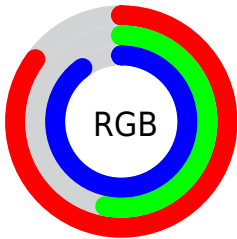
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	218, 135, 230
Decimal	14321638
CIE Lab	67.98, 46.58, -35.26
CIE LCh	68, 58.427, 322.875
Yxy	37.9465, 0.3064, 0.2242
Android (android.graphics.Color)	4292511718 (0xFFDA87E6)
YUV	170.6470, 29.2610, 41.5286
Hunter-Lab	61.6008, 42.4739, -33.3530

# Details

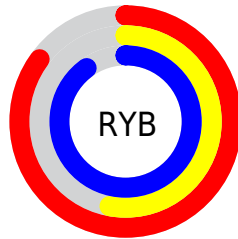
The Hex color **DA87E6** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **93E687**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **FFBEFF**, and **A152AE** is the 20% darker color. If you saturate the color by 10%, you get **D770E6**, and if you desaturate by 10%, it is **DD9EE6**.

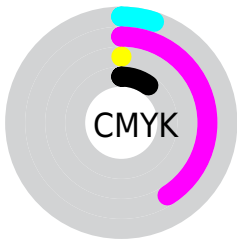
# Distribution



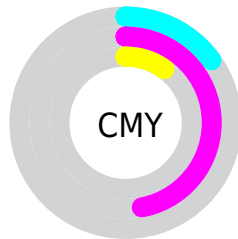
- Red (85%)
- Green (53%)
- Blue (90%)



- Red (85%)
- Yellow (53%)
- Blue (90%)



- Cyan (5%)
- Magenta (41%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (47%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DA87E6 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 DA87E6 by changing the saturation by 10% instead.



 DA87E6

FFFFFF

 FFBEFF

 FFDAFF

 FFF7FF

 DA87E6

 BD6CCA

 A152AE

 863993

 6B1E79

 510060

 380048

 220031

 00011B

 000000

 DA87E6

 DA87E6

 D770E6

 DD9EE6

 D459E6

 E0B5E6

 D142E6

 E3CCE6

 CE2BE6

 E6E3E6

 CB14E6

 E9FAE6

 C900E6

 EBFEE6

 EEFFE6

 F1FFE6

 F4FFE6

# Harmonies

## Analogous

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



929DFF



DA87E6



FF77B5

# Triad

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



DA87E6



CD9F37



00BFCD

# Complementary

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



DA87E6



93E687

# 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.



00BF97



DA87E6



9BAF3D

# Square

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



DA87E6



F38A52



59B963



00BBF9

# Rectangle

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



DA87E6



FF7791



59B963



00C0BC



# Sweetspot

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



DA87E6



FBE0FF



8794E6



7D6E80



000000



808080



# Same Dimension

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



DA87E6



EF80FF



E687C3



716773



9C00B3



2D0033



# Inverse Universe

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



E68793



FF8090



87E6AA



736769



B30017

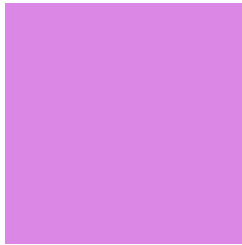


330006



# Previews

## White Background



This preview shows how the Hex color DA87E6 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

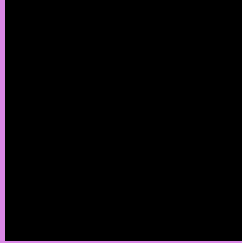
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex DA87E6 Background



This preview shows how black text looks on a background with the Hex color DA87E6.

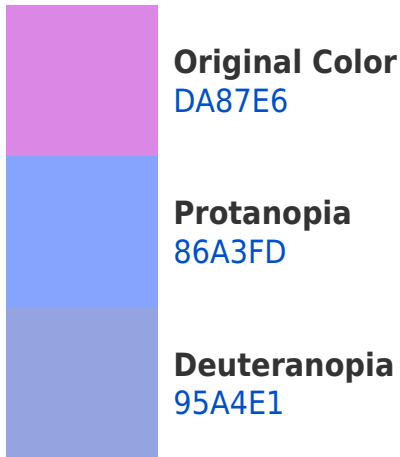


This preview shows how white text looks on a background with the Hex color DA87E6.

# 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**  
D196A1

# Trichromacy



**Original Color**  
DA87E6



**Protanomaly**  
A599F5



**Deuteranomaly**  
AE99E3



**Tritanomaly**  
D491BA

# Monochromacy



**Original Color**  
DA87E6



**Achromatopsia**  
ABABAB



**Achromatomaly**  
BC9EC0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DA87E6 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 #DA87E6 looks like.

```
.text, #text, p{  
    color:#DA87E6  
}
```

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 #DA87E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DA87E6
}
```

## Border

The CSS property to change the border of an element to Hex DA87E6 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
#DA87E6 }
```

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

```
.border{ border-color:#DA87E6 }
```

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

Here you see how a box with a 4 pixel #DA87E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DA87E6; -webkit-box-shadow:4px 4px  
4px 4px #DA87E6; box-shadow:4px 4px 4px  
4px #DA87E6 }
```

# Background

The CSS property to change the background color of an element to Hex DA87E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DA87E6 }
```

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

```
.background{ background-color:#DA87E6 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor