

# Converting Colors

Hex(D42AAA)

Have a look what the booklet for  
Hex(D42AAA) contains.

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# Color

**Hex(D42AAA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D42AAA
RGB	212, 42, 170
RGB Percent	83%, 16%, 67%
CMY	0.1686, 0.8353, 0.3333
CMYK	0.00, 0.80, 0.20, 0.17
HSL	315°, 67%, 50%
HSV	315°, 80%, 83%
XYZ	35.2350, 18.5553, 39.7546
YIQ	107.4220, 60.2320, 75.8480

# Conversions

## Conversions Part 2

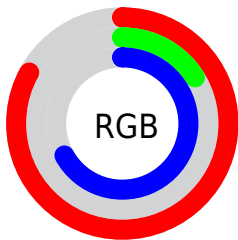
Format	Color
R <sub>Y</sub> B	212, 42, 170
Decimal	13904554
CIE Lab	50.16, 74.00, -28.87
CIE LCh	50, 79.432, 338.685
Yxy	18.5553, 0.3767, 0.1984
Android (android.graphics.Color)	4292094634 (0xFFD42AAA)
YUV	107.4220, 30.8510, 91.7149
Hunter-Lab	43.0758, 70.6263, -24.5656

# Details

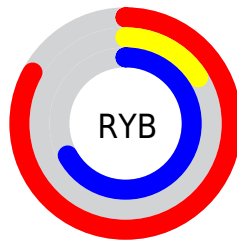
The Hex color **D42AAA** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **2AD454**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **FF6CE2**, and **990075** is the 20% darker color. If you saturate the color by 10%, you get **D415A5**, and if you desaturate by 10%, it is **D43FAF**.

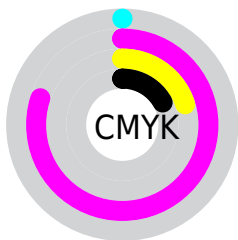
# Distribution



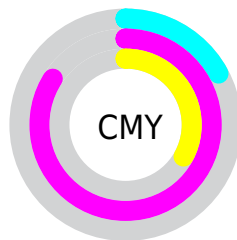
- Red (83%)
- Green (16%)
- Blue (67%)



- Red (83%)
- Yellow (16%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (20%)
- Black (17%)



- Cyan (17%)
- Magenta (84%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D42AAA 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 D42AAA by changing the saturation by 10% instead.



 D42AAA

 D42AAA

FFFFFF

 B6008F

 FF6CE2

 990075

 FF89FE

 7C005C

 FFA7FF

 5F0045

 FFC4FF

 46002E

 FFE2FF

 280018

 000000

 D42AAA

 D42AAA

 D415A5

 D43FAF

 D400A0

 D454B4

 D46ABA

 D47FBF

 D494C4

 D4A9C9

 D4BECF

 D4D4D4

 D4E9D9

# Harmonies

## Analogous

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



8E5AE2



D42AAA



EB0067

# Triad

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



D42AAA



807B00



0093CB

# Complementary

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



D42AAA



2AD454

# 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.



00948A



D42AAA



2E8A00

# Square

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



D42AAA



B76100



009142



008CF7

# Rectangle

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



D42AAA



E5283B



009142



0094B7



# Sweetspot

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



D42AAA



FFC2F0



522AD4



805B76



000000



808080



# Same Dimension

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



D42AAA



FF0AC3



D42A57



6B6068



AB0081



2B0021



# Inverse Universe

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



D42AAA



FF0AC3



2AD4A7



6B6068



AB0081



2B0021



# Previews

## White Background



This preview shows how the Hex color D42AAA looks on a white background.

## Color Contrast Check

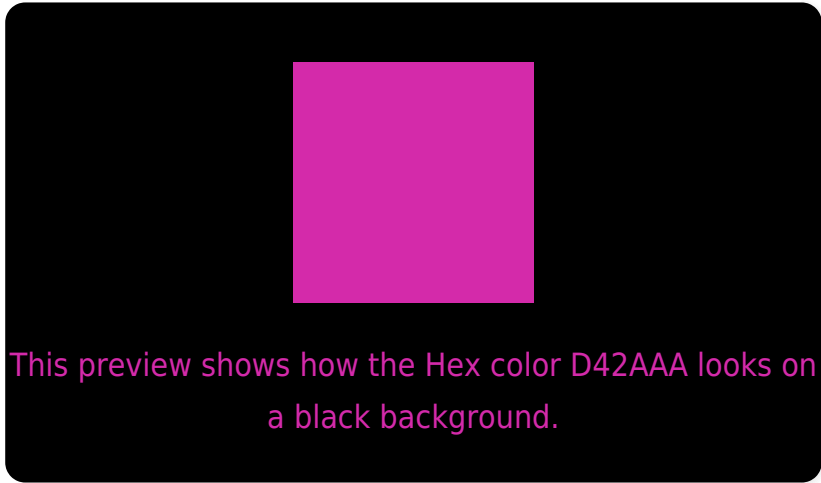
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex D42AAA Background



This preview shows how black text looks on a background with the Hex color D42AAA.

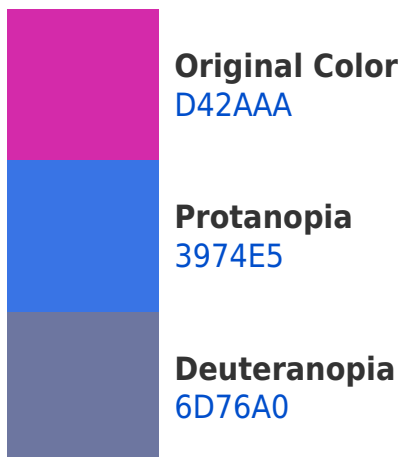


This preview shows how white text looks on a background with the Hex color D42AAA.

# 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





# Trichromacy



**Original Color**  
D42AAA



**Protanomaly**  
7159D0



**Deuteranomaly**  
925AA4



**Tritanomaly**  
CF4071

# Monochromacy



**Original Color**  
D42AAA



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
915382

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D42AAA 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 #D42AAA looks like.

```
.text, #text, p{  
  color:#D42AAA  
}
```

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 #D42AAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D42AAA
}
```

## Border

The CSS property to change the border of an element to Hex D42AAA 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
#D42AAA }
```

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

```
.border{ border-color:#D42AAA }
```

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

Here you see how a box with a 4 pixel #D42AAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D42AAA; -webkit-box-shadow:4px 4px  
4px 4px #D42AAA; box-shadow:4px 4px 4px  
4px #D42AAA }
```

# Background

The CSS property to change the background color of an element to Hex D42AAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D42AAA }
```

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

```
.background{ background-color:#D42AAA }
```

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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