

# Converting Colors

Hex(CA70DE)

Have a look what the booklet for  
Hex(CA70DE) contains.

<b>Hex(CA70DE)</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(CA70DE)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA70DE
RGB	202, 112, 222
RGB Percent	79%, 44%, 87%
CMY	0.2078, 0.5608, 0.1294
CMYK	0.09, 0.50, 0.00, 0.13
HSL	289°, 62%, 65%
HSV	289°, 50%, 87%
XYZ	43.3361, 29.4188, 72.5016
YIQ	151.4500, 18.3300, 53.2900

# Conversions

## Conversions Part 2

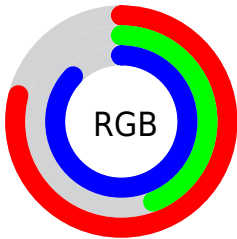
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">202, 112, 222</a>
Decimal	<a href="#">13267166</a>
CIELab	<a href="#">61.15, 52.29, -41.63</a>
CIELCh	<a href="#">61, 66.840, 321.477</a>
Yxy	<a href="#">29.4188, 0.2983, 0.2025</a>
Android (android.graphics.Color)	<a href="#">4291457246 (0xFFCA70DE)</a>
YUV	<a href="#">151.4500, 34.7812, 44.3324</a>
Hunter-Lab	<a href="#">54.2391, 47.6999, -41.2857</a>

# Details

The Hex color **CA70DE** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **84DE70**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **FFA6FF**, and **923BA6** is the 20% darker color. If you saturate the color by 10%, you get **C65ADE**, and if you desaturate by 10%, it is **CE86DE**.

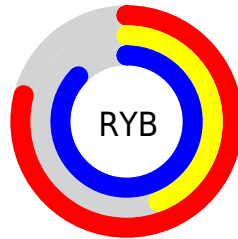
# Distribution



Red (79%)

Green (44%)

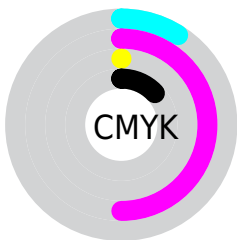
Blue (87%)



Red (79%)

Yellow (44%)

Blue (87%)

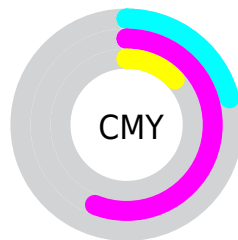


Cyan (9%)

Magenta (50%)

Yellow (0%)

Black (13%)



Cyan (21%)

Magenta (56%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CA70DE 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 CA70DE by changing the saturation by 10% instead.



 CA70DE

 CA70DE

FFFFFF

 AD55C2

 FFA6FF

 923BA6

 FFC2FF

 761F8C

 FFDFFF

 5B0072

 FFFCFF

 410059

 2A0041

 02002A

 000113

 000000

 CA70DE

 CA70DE

 C65ADE

 CE86DE

 C244DE

 D29CDE

 BE2DDE

 D6B3DE

 BA17DE

 DAC9DE

 B601DE

 DEDFDE

 B600DE

 E2F5DE

 E6FFDE

 EAFFDE

 EEFFDE

# Harmonies

## Analogous

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



718BFF



CA70DE



F55AA7

# Triad

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



CA70DE



BE8B00



00AFBD

# Complementary

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



CA70DE



84DE70

# 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.



00AE80



CA70DE



879D0B

# Square

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



CA70DE



E77237



37A845



00ABEF

# Rectangle

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



CA70DE



FD587F



37A845



00AFA9



# Sweetspot

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



CA70DE



F8D9FF



7084DE



7B6980



000000



808080



# Same Dimension

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



CA70DE



E469FF



DE70BB



6E6570



9000B0



280030



# Inverse Universe

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



DE7084



FF6984



70DE93



706567



B00020

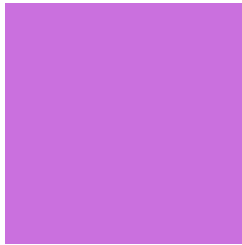


300009



# Previews

## White Background



This preview shows how the Hex color CA70DE looks on a white background.

## Color Contrast Check

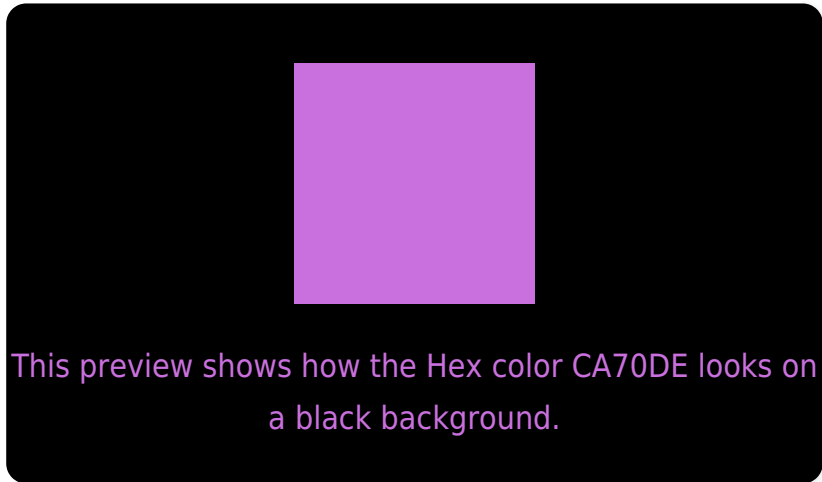
Large Text (above 18pt) WCAG AA ✓ Pass

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

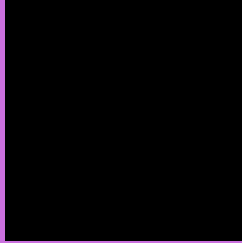
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex CA70DE Background



This preview shows how black text looks on a background with the Hex color CA70DE.

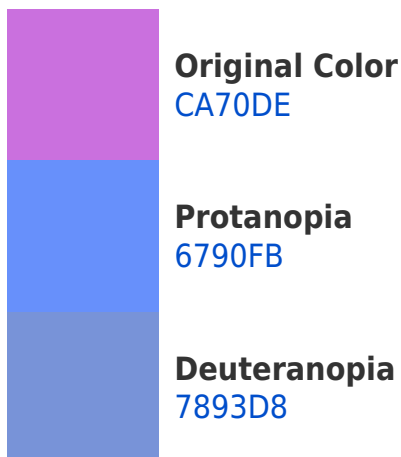



This preview shows how white text looks on a background with the Hex color CA70DE.

# 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](#).

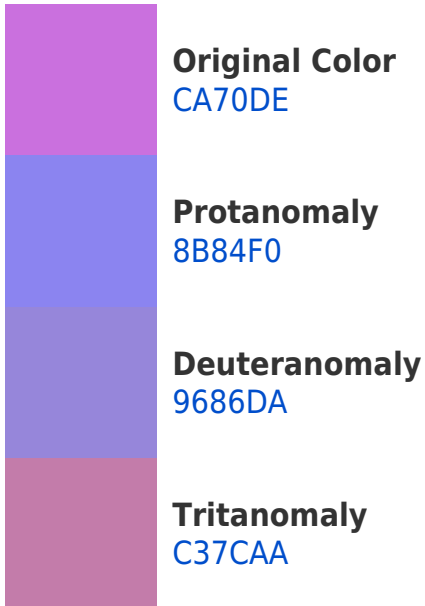
## Dichromacy



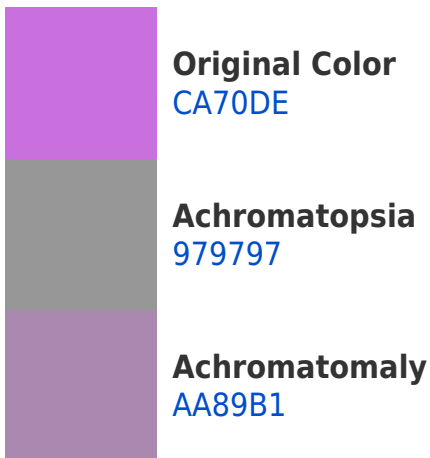


**Tritanopia**  
BF838D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CA70DE 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 #CA70DE looks like.

```
.text, #text, p{  
    color:#CA70DE  
}
```

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 #CA70DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CA70DE
}
```

## Border

The CSS property to change the border of an element to Hex CA70DE 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
#CA70DE }
```

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

```
.border{ border-color:#CA70DE }
```

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

Here you see how a box with a 4 pixel #CA70DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CA70DE; -webkit-box-shadow:4px 4px  
4px 4px #CA70DE; box-shadow:4px 4px 4px  
4px #CA70DE }
```

# Background

The CSS property to change the background color of an element to Hex CA70DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CA70DE }
```

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

```
.background{ background-color:#CA70DE }
```

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