

Converting Colors

CIELCh(72, 45.646, 317.680)

Have a look what the booklet for
CIELCh(72, 45.646, 317.680)
contains.

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Color

CIELCh(72, 45.842, 317.607)

Conversions

Conversions Part 1

Format	Color
Hex	D39CE9
RGB	211, 156, 233
RGB Percent	83%, 61%, 91%
CMY	0.1714, 0.3872, 0.0851
CMYK	0.09, 0.33, 0.00, 0.09
HSL	283°, 64%, 76%
HSV	283°, 33%, 91%
XYZ	53.6295, 43.6590, 82.9080
YIQ	181.2230, 8.0630, 35.6070

Conversions

Conversions Part 2

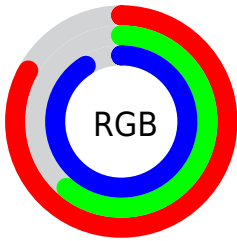
Format	Color
R _Y B	211, 156, 233
Decimal	13868265
CIE Lab	72.00, 33.86, -30.91
CIE LCh	72, 45.842, 317.607
Yxy	43.6590, 0.2976, 0.2423
Android (android.graphics.Color)	4292058345 (0xFFD39CE9)
YUV	181.2230, 25.5261, 26.1144
Hunter-Lab	66.0750, 29.2475, -28.1420

Details

The CIELCh color $72, 45.842, 317.607$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87, 44.786, 134.556$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 27.578, 325.385$, and $52, 45.671, 317.426$ is the 20% darker color. If you saturate the color by 10%, you get $66, 59.746, 318.017$, and if you desaturate by 10%, it is $78, 31.783, 317.170$.

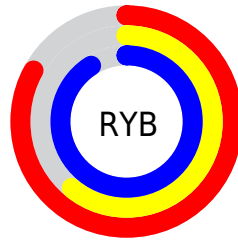
Distribution



Red (83%)

Green (61%)

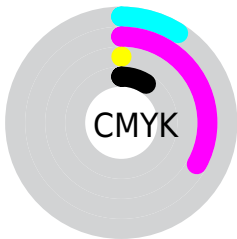
Blue (91%)



Red (83%)

Yellow (61%)

Blue (91%)

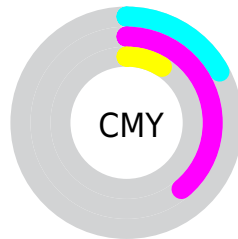


Cyan (9%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (17%)


Magenta (39%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 45.842, 317.607 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 CIELCh color 72, 45.842, 317.607 by changing the saturation by 10% instead.


 72, 45.842,
317.607


 72, 45.842,
317.607


 100, 45.842,
317.607


 62, 45.842,
317.607


 92, 45.842,
317.607

 52, 45.842,
317.607

 42, 45.842,
317.607

 32, 45.842,
317.607

 22, 45.842,
317.607

 12, 45.842,
317.607

 2, 45.842, 317.607

■ 0, 45.842, 317.607

■ 72, 45.842,
317.607

■ 72, 45.842,
317.607

■ 66, 59.746,
318.017

■ 78, 31.783,
317.170

■ 61, 73.136,
318.367

■ 84, 17.817,
316.726

■ 56, 85.487,
318.613

■ 91, 4.086, 316.260

■ 52, 96.133,
318.696

■ 97, 9.324, 135.928

■ 48, 104.353,
318.554

■ 99, 11.653,
127.940

■ 46, 109.601,
318.128

■ 99, 11.087,
116.283

■ 99, 10.989,

■ 44, 111.746,
317.684

109.346

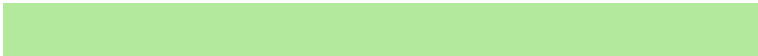
Harmonies

Complementary

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



72, 45.842, 317.607



87, 44.786, 134.556

Rectangle

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



72, 45.842, 317.607



72, 45.842, 7.607



72, 45.842, 137.607



72, 45.842, 187.607

Sweetspot

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



72, 45.840, 317.607



93, 14.673, 316.594



73, 29.876, 278.867



49, 10.025, 316.657



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 45.840, 317.607



74, 59.750, 317.906



74, 42.729, 332.673



46, 7.786, 316.568



34, 92.348, 317.834



6, 38.527, 318.830

Inverse Universe

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



73, 31.706, 0.760



74, 41.602, 1.920



86, 42.556, 147.937



46, 5.254, 357.806



38, 68.253, 22.301



7, 27.802, 10.180

Previews

White Background



This preview shows how the CIELCh color 72, 45.842, 317.607 looks on a white background.

Color Contrast Check

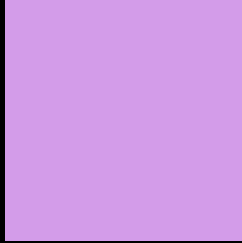
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 72, 45.842, 317.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

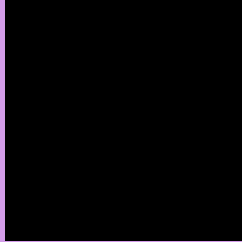
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 45.842, 317.607

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.842, 317.607.

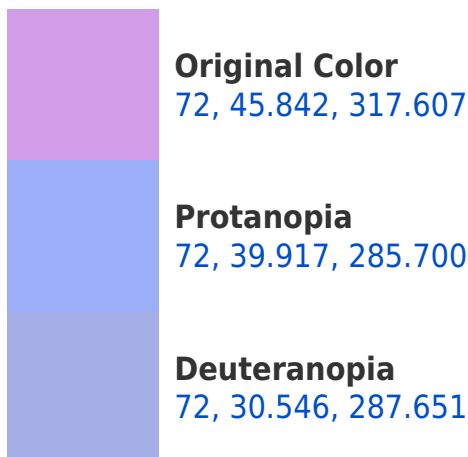


This preview shows how white text looks on a background with the CIELCh color 72, 45.842, 317.607.

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
72, 15.377, 353.572

Trichromacy



Original Color
72, 45.842, 317.607



Protanomaly
72, 40.485, 297.078



Deuteranomaly
72, 34.778, 300.984



Tritanomaly
72, 25.111, 330.526

Monochromacy



Original Color
72, 45.842, 317.607



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 16.913, 316.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.842, 317.607 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 `rgb(211, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(211, 156, 233)  
}
```

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 rgb(211, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 156, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.842, 317.607 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 rgb(211, 156, 233) }
```

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

```
.border{ border-color:rgb(211, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(211, 156,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.842, 317.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 156, 233) }
```

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

```
.background{ background-color: rgb(211,  
156, 233) }
```

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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