

Converting Colors

CIELCh(71, 40.494, 315.399)

Have a look what the booklet for
CIELCh(71, 40.494, 315.399)
contains.

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Color

CIELCh(71, 40.763, 315.521)

Conversions

Conversions Part 1

Format	Color
Hex	CA9DE2
RGB	202, 157, 226
RGB Percent	79%, 62%, 89%
CMY	0.2076, 0.3841, 0.1135
CMYK	0.11, 0.31, 0.00, 0.11
HSL	279°, 54%, 75%
HSV	279°, 31%, 89%
XYZ	50.1702, 42.1875, 77.4865
YIQ	178.3210, 4.6710, 30.9990

Conversions

Conversions Part 2

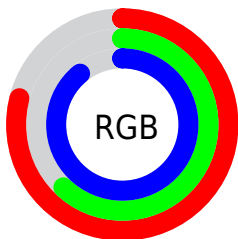
Format	Color
RYB	202, 157, 226
Decimal	13278690
CIELab	71.00, 29.08, -28.56
CIElCh	71, 40.763, 315.521
Yxy	42.1875, 0.2954, 0.2484
Android (android.graphics.Color)	4291468770 (0xFFCA9DE2)
YUV	178.3210, 23.5057, 20.7665
Hunter-Lab	64.9519, 24.2112, -25.2657

Details

The CIELCh color $71, 40.763, 315.521$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $85, 39.654, 132.776$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 26.948, 325.363$, and $51, 40.595, 315.637$ is the 20% darker color. If you saturate the color by 10%, you get $65, 54.342, 315.957$, and if you desaturate by 10%, it is $77, 27.184, 315.072$.

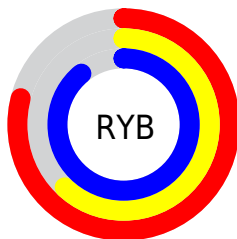
Distribution



Red (79%)

Green (62%)

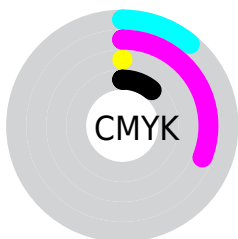
Blue (89%)



Red (79%)

Yellow (62%)

Blue (89%)

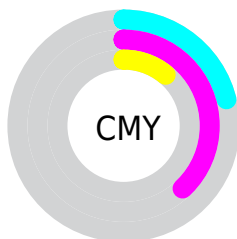


Cyan (11%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (21%)


Magenta (38%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.763, 315.521 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 71, 40.763, 315.521 by changing the saturation by 10% instead.


 71, 40.763,
315.521


 71, 40.763,
315.521


 100, 40.763,
315.521


 61, 40.763,
315.521


 91, 40.763,
315.521

 51, 40.763,
315.521

 41, 40.763,
315.521

 31, 40.763,
315.521

 21, 40.763,
315.521

 11, 40.763,
315.521

 1, 40.763, 315.521

■ 0, 40.763, 315.521

■ 71, 40.763,
315.521

■ 71, 40.763,
315.521

■ 65, 54.342,
315.957

■ 77, 27.184,
315.072

■ 59, 67.636,
316.350

■ 83, 13.792,
314.627

■ 54, 80.203,
316.656

■ 90, 0.687, 313.958

■ 50, 91.427,
316.813

■ 96, 12.076,
133.849

■ 46, 100.569,
316.748

■ 98, 15.521,
127.536

■ 43, 106.930,
316.384

■ 99, 14.822,
117.195

■ 41, 110.432,
315.764

■ 99, 14.647,
109.071

Harmonies

Complementary

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



71, 40.763, 315.521



85, 39.654, 132.776

Rectangle

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



71, 40.763, 315.521



71, 40.763, 5.521



71, 40.763, 135.521



71, 40.763, 185.521

Sweetspot

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



71, 40.761, 315.521



94, 12.985, 314.562



73, 25.253, 274.572



49, 9.038, 314.627



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 40.761, 315.521



75, 54.665, 315.817



73, 39.908, 330.710



44, 7.389, 314.579



31, 91.469, 315.935



5, 34.540, 316.031

Inverse Universe

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



72, 29.186, 356.050



76, 39.222, 357.024



84, 39.819, 146.563



44, 5.230, 353.562



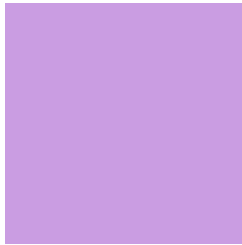
37, 65.034, 16.463



6, 25.476, 4.992

Previews

White Background



This preview shows how the CIELCh color 71, 40.763, 315.521 looks on a white background.

Color Contrast Check

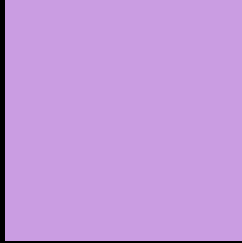
Large Text (above 18pt) WCAG AA × Fail

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 71, 40.763, 315.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

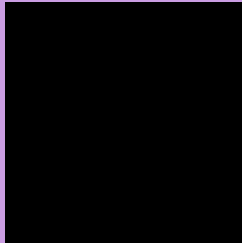
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 40.763, 315.521

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.763, 315.521.



This preview shows how white text looks on a background with the CIELCh color 71, 40.763, 315.521.

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



Original Color

71, 40.763, 315.521

Protanopia

71, 35.668, 285.117

Deuteranopia

71, 28.421, 288.965



Tritanopia
71, 13.070, 347.837

Trichromacy



Original Color
71, 40.763, 315.521

Protanomaly
71, 36.172, 296.153

Deuteranomaly
71, 32.080, 300.325

Tritanomaly
71, 22.134, 326.992

Monochromacy



Original Color
71, 40.763, 315.521

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 15.039, 315.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.763, 315.521 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(202, 157, 226)` looks like.

```
.text, #text, p{  
    color:rgb(202, 157, 226)  
}
```

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(202, 157, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 157, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.763, 315.521 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(202, 157, 226) }
```

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

```
.border{ border-color:rgb(202, 157, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 157, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 157, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 157, 226);  
box-shadow:4px 4px 4px 4px rgb(202, 157,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.763, 315.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 157, 226) }
```

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

```
.background{ background-color: rgb(202,  
157, 226) }
```

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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