

Converting Colors

CIELCh(70, 28.507, 319.933)

Have a look what the booklet for
CIELCh(70, 28.507, 319.933)
contains.

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Color

CIELCh(70, 28.507, 319.933)

Conversions

Conversions Part 1

Format	Color
Hex	C49FCD
RGB	196, 159, 205
RGB Percent	77%, 62%, 80%
CMY	0.2328, 0.3779, 0.1975
CMYK	0.04, 0.22, 0.00, 0.20
HSL	288°, 31%, 71%
HSV	288°, 22%, 80%
XYZ	45.9798, 40.7494, 62.9641
YIQ	175.3070, 7.2860, 22.1500

Conversions

Conversions Part 2

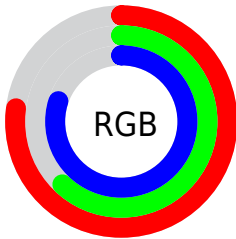
Format	Color
R_{YB}	196, 159, 205
Decimal	12885965
CIE _{Lab}	70.00, 21.82, -18.35
CIE _{LCh}	70, 28.507, 319.933
Y _{xy}	40.7494, 0.3072, 0.2722
Android (android.graphics.Color)	4291076045 (0xFFC49FCD)
YUV	175.3070, 14.6386, 18.1478
Hunter-Lab	63.8353, 16.8597, -13.7962

Details

The CIELCh color $70, 28.507, 319.933$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $79, 28.214, 137.810$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 25.318, 323.958$, and $50, 28.862, 319.929$ is the 20% darker color. If you saturate the color by 10%, you get $65, 41.308, 320.374$, and if you desaturate by 10%, it is $75, 15.713, 319.478$.

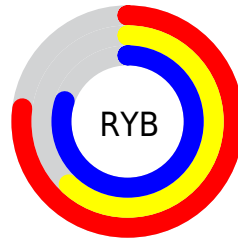
Distribution



Red (77%)

Green (62%)

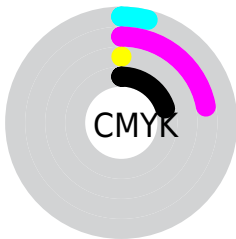
Blue (80%)



Red (77%)

Yellow (62%)

Blue (80%)

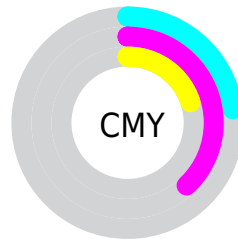


Cyan (4%)

Magenta (22%)

Yellow (0%)

Black (20%)



Cyan (23%)


Magenta (38%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 28.507, 319.933 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 70, 28.507, 319.933 by changing the saturation by 10% instead.


 70, 28.507,
319.933


 70, 28.507,
319.933


 100, 28.507,
319.933


 60, 28.507,
319.933


 90, 28.507,
319.933

 50, 28.507,
319.933

 40, 28.507,
319.933

 30, 28.507,
319.933

 20, 28.507,
319.933

 10, 28.507,
319.933

 0, 28.507, 319.933

70, 28.507,
319.933

70, 28.507,
319.933

65, 41.308,
320.374

75, 15.713,
319.478

60, 53.879,
320.784

81, 3.090, 318.980

86, 9.270, 138.645

55, 65.866,
321.134

92, 21.313,
138.227

51, 76.796,
321.388

96, 29.429,
137.280

48, 86.100,
321.504

96, 28.731,
134.882

45, 93.209,
321.436


97, 28.084,
132.342

43, 97.728,
321.147

97, 27.493,
129.659

42, 99.728,

320.808

 97, 26.965,
126.839

Harmonies

Complementary

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



70, 28.507, 319.933



79, 28.214, 137.810

Rectangle

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



70, 28.507, 319.933



70, 28.507, 9.933



70, 28.507, 139.933



70, 28.507, 189.933

Sweetspot

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



70, 28.505, 319.933



95, 10.497, 319.228



69, 20.354, 283.384



50, 6.824, 319.257



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 28.505, 319.933



82, 41.029, 320.151



70, 24.437, 335.862



40, 7.111, 319.336



33, 85.234, 320.911



4, 27.012, 319.590

Inverse Universe

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



70, 18.518, 5.888



82, 26.905, 6.532



78, 24.221, 152.576



40, 4.510, 4.386



34, 67.221, 29.291



4, 18.202, 9.861

Previews

White Background



This preview shows how the CIELCh color 70, 28.507, 319.933 looks on a white background.

Color Contrast Check

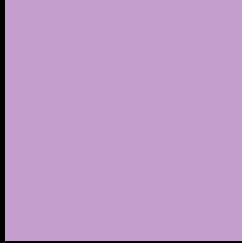
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 28.507, 319.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

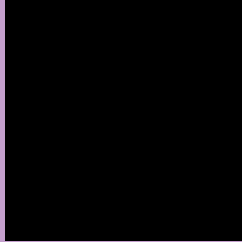
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 28.507, 319.933

Background



This preview shows how black text looks on a background with the CIELCh color 70, 28.507, 319.933.



This preview shows how white text looks on a background with the CIELCh color 70, 28.507, 319.933.

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


70, 28.507, 319.933

Protanopia

70, 23.111, 284.965

Deuteranopia

70, 19.865, 297.134



Tritanopia
70, 12.464, 345.851

Trichromacy



Original Color
70, 28.507, 319.933

Protanomaly
70, 23.808, 299.091

Deuteranomaly
70, 22.843, 307.412

Tritanomaly
70, 17.907, 331.285

Monochromacy



Original Color
70, 28.507, 319.933

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 10.684, 319.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 28.507, 319.933 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(196, 159, 205)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 205)  
}
```

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(196, 159, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 28.507, 319.933 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(196, 159, 205) }
```

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

```
.border{ border-color:rgb(196, 159, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 159, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 205);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 28.507, 319.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 205) }
```

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

```
.background{ background-color: rgb(196,  
159, 205) }
```

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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