

Converting Colors

CIELCh(67, 49.112, 317.901)

Have a look what the booklet for
CIELCh(67, 49.112, 317.901)
contains.

CIELCh(67, 49.312, 317.925)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 49.312, 317.925)

Conversions

Conversions Part 1

Format	Color
Hex	C88DDF
RGB	200, 141, 223
RGB Percent	78%, 55%, 87%
CMY	0.2159, 0.4472, 0.1257
CMYK	0.10, 0.37, 0.00, 0.13
HSL	283°, 56%, 71%
HSV	283°, 37%, 87%
XYZ	46.6349, 36.6320, 74.3875
YIQ	167.9890, 8.8420, 38.0100

Conversions

Conversions Part 2

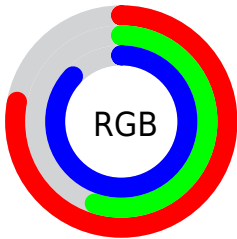
Format	Color
R _{YB}	200, 141, 223
Decimal	13143519
CIE _{Lab}	67.00, 36.60, -33.04
CIE _{LCh}	67, 49.312, 317.925
Y _{xy}	36.6320, 0.2958, 0.2324
Android (android.graphics.Color)	4291333599 (0xFFC88DDF)
Y _{UV}	167.9890, 27.1204, 28.0736
Hunter-Lab	60.5244, 31.6194, -30.5034

Details

The CIELCh color $67, 49.312, 317.925$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83, 48.087, 134.499$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 37.631, 325.731$, and $47, 48.763, 318.095$ is the 20% darker color. If you saturate the color by 10%, you get $62, 62.578, 318.315$, and if you desaturate by 10%, it is $73, 35.775, 317.496$.

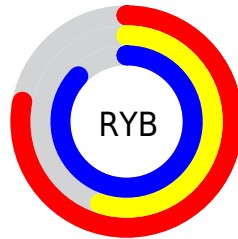
Distribution



Red (78%)

Green (55%)

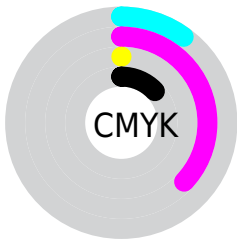
Blue (87%)



Red (78%)

Yellow (55%)

Blue (87%)

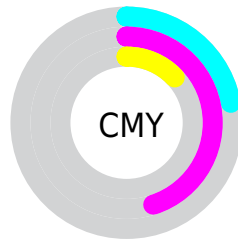


Cyan (10%)

Magenta (37%)

Yellow (0%)

Black (13%)



Cyan (22%)

Magenta (45%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 49.312, 317.925 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 67, 49.312, 317.925 by changing the saturation by 10% instead.


 67, 49.312,
317.925


 67, 49.312,
317.925


 100, 49.312,
317.925


 57, 49.312,
317.925

 87, 49.312,
317.925

 47, 49.312,
317.925

 97, 49.312,
317.925

 37, 49.312,
317.925

 27, 49.312,
317.925

 17, 49.312,
317.925

 7, 49.312, 317.925

 0, 49.312, 317.925

67, 49.312,
317.925

67, 49.312,
317.925

62, 62.578,
318.315

73, 35.775,
317.496

56, 75.175,
318.631

79, 22.248,
317.054

52, 86.544,
318.824

85, 8.900, 316.609

48, 96.013,
318.834

91, 4.167, 136.267

97, 16.897,
135.842

45, 102.925,
318.599


98, 17.501,
130.148

43, 106.923,
318.075

98, 16.777,
123.067

43, 107.875,
317.877

99, 16.337,
115.388

 99, 16.213,
108.952

Harmonies

Complementary

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



67, 49.312, 317.925



83, 48.087, 134.499

Rectangle

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



67, 49.312, 317.925



67, 49.312, 7.925



67, 49.312, 137.925



67, 49.312, 187.925

Sweetspot

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



67, 49.310, 317.925



93, 16.178, 316.802



68, 32.896, 280.778



48, 10.885, 316.863



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 49.310, 317.925



71, 65.717, 318.225



69, 45.243, 333.568



44, 7.516, 316.729



33, 90.318, 318.019



5, 34.968, 318.503

Inverse Universe

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



68, 34.139, 1.707



72, 45.819, 3.027



82, 45.040, 148.122



44, 5.052, 358.167



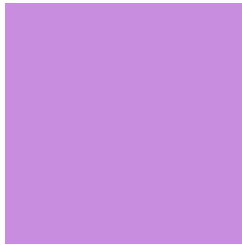
37, 66.948, 22.627



6, 25.328, 8.723

Previews

White Background



This preview shows how the CIELCh color 67, 49.312, 317.925 looks on a white background.

Color Contrast Check

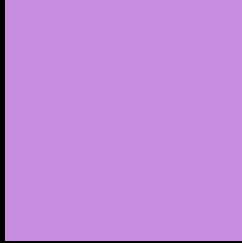
Large Text (above 18pt) WCAG AA × Fail

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 67, 49.312, 317.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

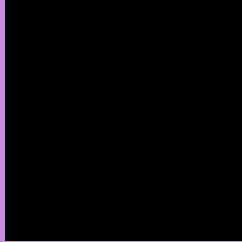
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 49.312, 317.925

Background



This preview shows how black text looks on a background with the CIELCh color 67, 49.312, 317.925.

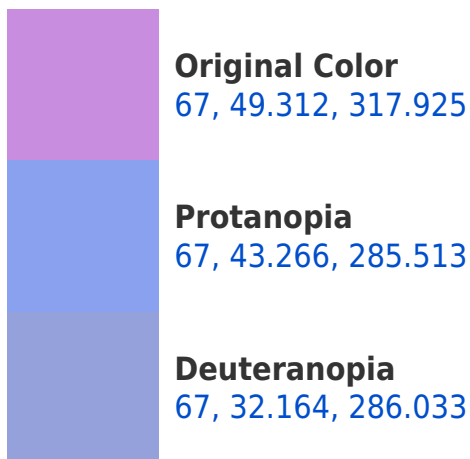


This preview shows how white text looks on a background with the CIELCh color 67, 49.312, 317.925.

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
67, 16.107, 356.858

Trichromacy



Original Color
67, 49.312, 317.925



Protanomaly
67, 43.819, 297.321



Deuteranomaly
67, 36.890, 300.390



Tritanomaly
67, 26.307, 331.190

Monochromacy



Original Color
67, 49.312, 317.925



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 18.470, 317.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 49.312, 317.925 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(200, 141, 223)` looks like.

```
.text, #text, p{  
    color:rgb(200, 141, 223)  
}
```

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(200, 141, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 141, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 49.312, 317.925 is called "border". The border property can be set on classes, ids or directly on the HTML element.

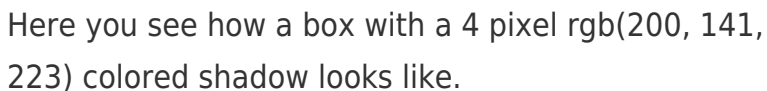
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 141, 223) }
```

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

```
.border{ border-color:rgb(200, 141, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(200, 141, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 141, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 141, 223);  
box-shadow:4px 4px 4px 4px rgb(200, 141,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 49.312, 317.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 141, 223) }
```

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

```
.background{ background-color: rgb(200,  
141, 223) }
```

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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