

Converting Colors

CIELCh(69, 49.835, 315.784)

Have a look what the booklet for
CIELCh(69, 49.835, 315.784)
contains.

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Color

CIELCh(69, 50.083, 315.630)

Conversions

Conversions Part 1

Format	Color
Hex	CA93E8
RGB	202, 147, 232
RGB Percent	79%, 58%, 91%
CMY	0.2071, 0.4228, 0.0894
CMYK	0.13, 0.37, 0.00, 0.09
HSL	279°, 65%, 74%
HSV	279°, 37%, 91%
XYZ	49.4643, 39.3444, 81.4766
YIQ	173.1350, 5.4950, 38.0950

Conversions

Conversions Part 2

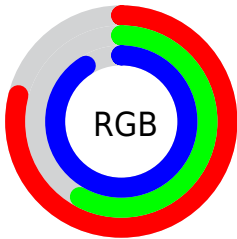
Format	Color
R_{YB}	202, 147, 232
Decimal	13276136
CIE Lab	69.00, 35.80, -35.02
CIE LCh	69, 50.083, 315.630
Yxy	39.3444, 0.2905, 0.2310
Android (android.graphics.Color)	4291466216 (0xFFCA93E8)
YUV	173.1350, 29.0204, 25.3146
Hunter-Lab	62.7251, 30.9941, -33.1070

Details

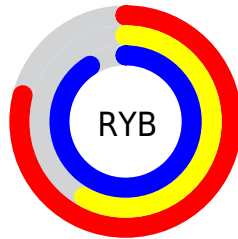
The CIELCh color $69, 50.083, 315.630$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87, 48.416, 132.293$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 33.240, 325.581$, and $49, 50.287, 315.831$ is the 20% darker color. If you saturate the color by 10%, you get $63, 63.827, 316.047$, and if you desaturate by 10%, it is $75, 36.181, 315.183$.

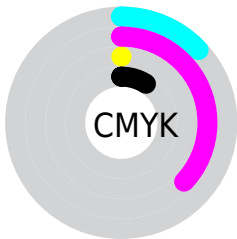
Distribution



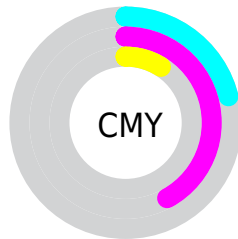
- Red (79%)
- Green (58%)
- Blue (91%)



- Red (79%)
- Yellow (58%)
- Blue (91%)



- Cyan (13%)
- Magenta (37%)
- Yellow (0%)
- Black (9%)





- Cyan (21%)
- Magenta (42%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 50.083, 315.630 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 69, 50.083, 315.630 by changing the saturation by 10% instead.

 69, 50.083,
315.630

 69, 50.083,
315.630


 100, 50.083,
315.630


 59, 50.083,
315.630


 89, 50.083,
315.630

 49, 50.083,
315.630

 99, 50.083,
315.630

 39, 50.083,
315.630

 29, 50.083,
315.630

 19, 50.083,
315.630

 9, 50.083, 315.630

 0, 50.083, 315.630

69, 50.083,
315.630

69, 50.083,
315.630

63, 63.827,
316.047

75, 36.181,
315.183

58, 77.033,
316.396

81, 22.373,
314.733

53, 89.137,
316.622

88, 8.806, 314.288

48, 99.416,
316.654

94, 4.438, 133.943

99, 12.356,
129.345

45, 107.100,
316.412

99, 11.632,
115.774

42, 111.680,
315.832

99, 11.542,
109.305

42, 112.816,
315.597

Harmonies

Complementary

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



69, 50.083, 315.630



87, 48.416, 132.293

Rectangle

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



69, 50.083, 315.630



69, 50.083, 5.630



69, 50.083, 135.630



69, 50.083, 185.630

Sweetspot

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



69, 50.081, 315.630



92, 15.887, 314.486



72, 30.439, 274.491



48, 10.691, 314.546



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 50.081, 315.630



70, 65.027, 315.952



72, 49.278, 330.525



46, 7.654, 314.416



32, 93.536, 315.763



6, 38.332, 316.578

Inverse Universe

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



70, 36.033, 356.586



72, 46.816, 357.825



85, 49.250, 145.445



46, 5.440, 353.232



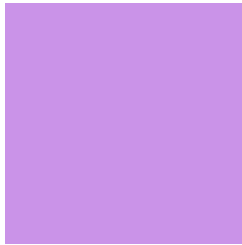
38, 66.345, 16.109



7, 27.837, 6.099

Previews

White Background



This preview shows how the CIELCh color 69, 50.083, 315.630 looks on a white background.

Color Contrast Check

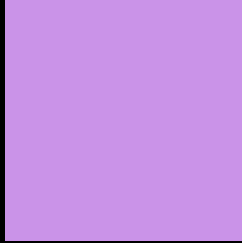
Large Text (above 18pt) WCAG AA × Fail

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 69, 50.083, 315.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

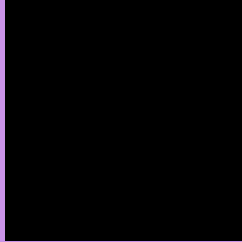
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 50.083, 315.630

Background



This preview shows how black text looks on a background with the CIELCh color 69, 50.083, 315.630.



This preview shows how white text looks on a background with the CIELCh color 69, 50.083, 315.630.

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
69, 14.233, 353.330

Trichromacy



Original Color
69, 50.083, 315.630



Protanomaly
69, 45.724, 296.488



Deuteranomaly
69, 39.332, 299.093



Tritanomaly
69, 26.142, 326.932

Monochromacy



Original Color
69, 50.083, 315.630



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 18.554, 314.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 50.083, 315.630 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, 147, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 147, 232)  
}
```

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, 147, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 147, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 50.083, 315.630 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, 147, 232) }
```

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

```
.border{ border-color:rgb(202, 147, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 147, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 147, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 147, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 147,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 50.083, 315.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 147, 232) }
```

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

```
.background{ background-color: rgb(202,  
147, 232) }
```

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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