

Converting Colors

CIELCh(69, 58.395, 313.340)

Have a look what the booklet for
CIELCh(69, 58.395, 313.340)
contains.

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Color

CIELCh(69, 58.242, 313.200)

Conversions

Conversions Part 1

Format	Color
Hex	CA91F6
RGB	202, 145, 246
RGB Percent	79%, 57%, 96%
CMY	0.2088, 0.4322, 0.0362
CMYK	0.18, 0.41, 0.00, 0.04
HSL	274°, 85%, 77%
HSV	274°, 41%, 96%
XYZ	50.9805, 39.3444, 91.8994
YIQ	173.5570, 1.5510, 43.4950

Conversions

Conversions Part 2

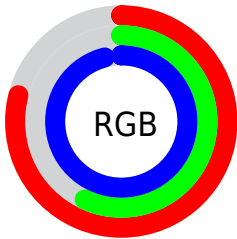
Format	Color
R _{YB}	202, 145, 246
Decimal	13275638
CIE _{Lab}	69.00, 39.87, -42.46
CIE _{LCh}	69, 58.242, 313.200
Yxy	39.3444, 0.2798, 0.2159
Android (android.graphics.Color)	4291465718 (0xFFCA91F6)
YUV	173.5570, 35.7144, 24.9445
Hunter-Lab	62.7251, 35.3089, -42.9590

Details

The CIELCh color $69, 58.242, 313.200$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $91, 55.380, 129.361$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 34.496, 325.624$, and $49, 58.229, 313.232$ is the 20% darker color. If you saturate the color by 10%, you get $63, 72.560, 313.658$, and if you desaturate by 10%, it is $76, 43.749, 312.711$.

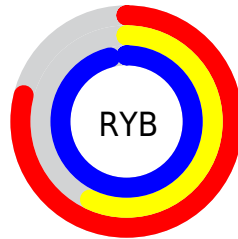
Distribution



Red (79%)

Green (57%)

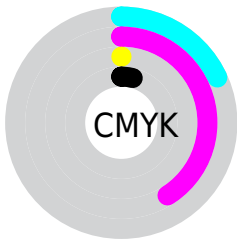
Blue (96%)



Red (79%)

Yellow (57%)

Blue (96%)

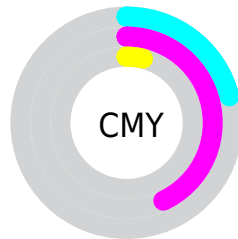


Cyan (18%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (21%)

Magenta (43%)

Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 58.242, 313.200 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, 58.242, 313.200 by changing the saturation by 10% instead.

 69, 58.242,
313.200

 69, 58.242,
313.200

 100, 58.242,
313.200


 59, 58.242,
313.200

 89, 58.242,
313.200

 49, 58.242,
313.200

 99, 58.242,
313.200

 39, 58.242,
313.200

 29, 58.242,
313.200

 19, 58.242,
313.200

 9, 58.242, 313.200

 0, 58.242, 313.200

69, 58.242,
313.200

69, 58.242,
313.200

63, 72.560,
313.658

76, 43.749,
312.711

57, 86.256,
314.036

82, 29.365,
312.222

51, 98.660,
314.263

89, 15.248,
311.752

47, 108.901,
314.244

96, 1.485, 311.220

44, 116.095,
313.880

100, 4.676,
109.812

41, 119.875,
313.260

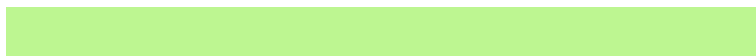
Harmonies

Complementary

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



69, 58.242, 313.200



91, 55.380, 129.361

Rectangle

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



69, 58.242, 313.200



69, 58.242, 3.200



69, 58.242, 133.200



69, 58.242, 183.200

Sweetspot

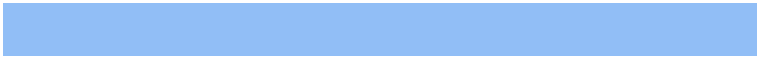
The Sweet Spot groups the original color and five complimentary colors.



69, 58.240, 313.200



91, 17.025, 311.795



76, 32.250, 267.957



48, 11.311, 311.855



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, 58.240, 313.200



66, 71.718, 313.572



74, 60.938, 328.105



47, 7.775, 311.678



31, 97.156, 313.453



6, 41.611, 314.384

Inverse Universe

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



72, 43.975, 351.789



70, 53.727, 353.058



89, 61.089, 142.573



48, 5.919, 348.065



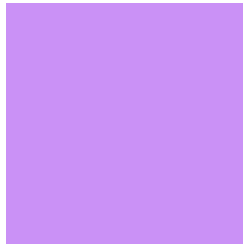
40, 66.674, 8.229



9, 29.796, 1.051

Previews

White Background



This preview shows how the CIELCh color 69, 58.242, 313.200 looks on a white background.

Color Contrast Check

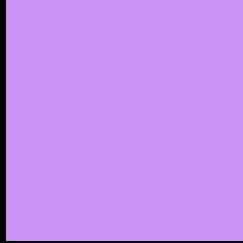
Large Text (above 18pt) WCAG AA × Fail

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, 58.242, 313.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

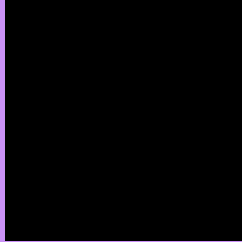
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 58.242, 313.200

Background



This preview shows how black text looks on a background with the CIELCh color 69, 58.242, 313.200.

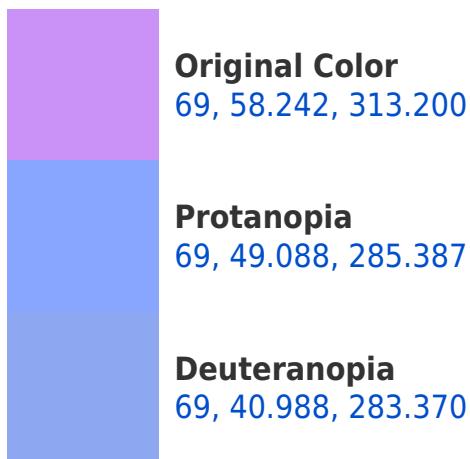



This preview shows how white text looks on a background with the CIELCh color 69, 58.242, 313.200.

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, 12.869, 349.950

Trichromacy



Original Color
69, 58.242, 313.200



Protanomaly
69, 51.708, 296.095



Deuteranomaly
69, 46.257, 296.134



Tritanomaly
69, 28.011, 322.375

Monochromacy



Original Color
69, 58.242, 313.200



Achromatopsia
71, 0.009, 296.813



Achromatomaly
70, 21.104, 311.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 58.242, 313.200 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, 145, 246)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 246)  
}
```

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, 145, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 58.242, 313.200 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, 145, 246) }
```

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

```
.border{ border-color:rgb(202, 145, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 145, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 246);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 58.242, 313.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 145, 246) }
```

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

```
.background{ background-color: rgb(202,  
145, 246) }
```

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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