

Converting Colors

CIELCh(68, 57.636, 310.733)

Have a look what the booklet for
CIELCh(68, 57.636, 310.733)
contains.

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Color

CIELCh(68, 57.738, 310.685)

Conversions

Conversions Part 1

Format	Color
Hex	C190F5
RGB	193, 144, 245
RGB Percent	76%, 56%, 96%
CMY	0.2423, 0.4345, 0.0384
CMYK	0.21, 0.41, 0.00, 0.04
HSL	269°, 84%, 76%
HSV	269°, 41%, 96%
XYZ	48.5577, 37.9720, 91.3205
YIQ	170.1650, -3.2170, 41.7990

Conversions

Conversions Part 2

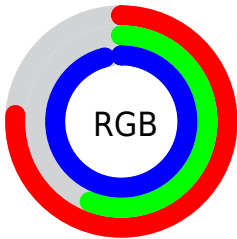
Format	Color
R _Y B	193, 144, 245
Decimal	12685557
CIE Lab	68.00, 37.64, -43.78
CIE LCh	68, 57.738, 310.685
Yxy	37.9720, 0.2730, 0.2135
Android (android.graphics.Color)	4290875637 (0xFFC190F5)
YUV	170.1650, 36.8937, 20.0263
Hunter-Lab	61.6215, 32.8204, -44.7304

Details

The CIELCh color `68, 57.738, 310.685` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `91, 54.244, 126.591`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `86, 34.421, 323.615`, and `48, 57.281, 310.487` is the 20% darker color. If you saturate the color by 10%, you get `61, 72.156, 311.240`, and if you desaturate by 10%, it is `75, 43.283, 310.119`.

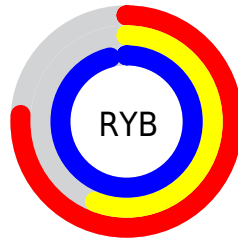
Distribution



Red (76%)

Green (56%)

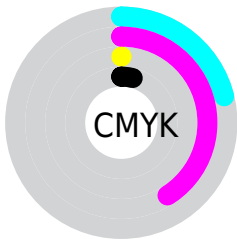
Blue (96%)



Red (76%)

Yellow (56%)

Blue (96%)

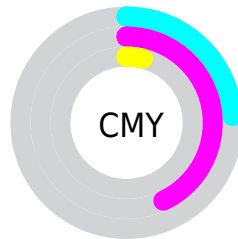


Cyan (21%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (24%)

Magenta (43%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 57.738, 310.685 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 68, 57.738, 310.685 by changing the saturation by 10% instead.

 68, 57.738,
310.685

 68, 57.738,
310.685


 100, 57.738,
310.685


 58, 57.738,
310.685


 88, 57.738,
310.685

 48, 57.738,
310.685

 98, 57.738,
310.685

 38, 57.738,
310.685

 28, 57.738,
310.685

 18, 57.738,
310.685

 8, 57.738, 310.685

 0, 57.738, 310.685

68, 57.738,
310.685

68, 57.738,
310.685

61, 72.156,
311.240

75, 43.283,
310.119

55, 86.129,
311.733

82, 29.036,
309.571

50, 98.996,
312.085

89, 15.121,
309.058

45, 109.831,
312.189

96, 1.601, 308.520

41, 117.612,
311.921

100, 4.955,
109.792

39, 121.760,
311.367

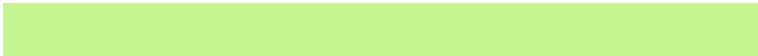
Harmonies

Complementary

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



68, 57.738, 310.685



91, 54.244, 126.591

Rectangle

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



68, 57.738, 310.685



68, 57.738, 0.685



68, 57.738, 130.685



68, 57.738, 180.685

Sweetspot

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



68, 57.736, 310.685



91, 16.750, 309.099



77, 29.853, 260.798



48, 11.131, 309.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 57.736, 310.685



65, 71.239, 311.127



73, 62.812, 326.159



47, 7.647, 308.974



29, 98.824, 311.560



5, 41.451, 311.972

Inverse Universe

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



72, 45.889, 346.963



70, 55.853, 348.046



89, 62.884, 140.892



48, 6.234, 343.606



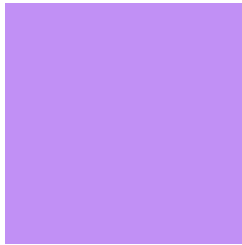
40, 67.077, 0.624



9, 30.402, 354.755

Previews

White Background



This preview shows how the CIELCh color 68, 57.738, 310.685 looks on a white background.

Color Contrast Check

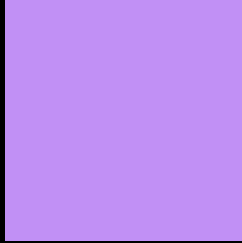
Large Text (above 18pt) WCAG AA × Fail

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 68, 57.738, 310.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

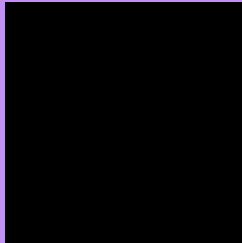
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 57.738, 310.685

Background



This preview shows how black text looks on a background with the CIELCh color 68, 57.738, 310.685.

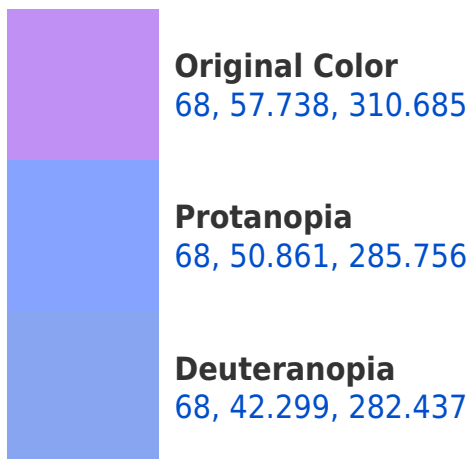


This preview shows how white text looks on a background with the CIELCh color 68, 57.738, 310.685.

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
68, 10.372, 340.861

Trichromacy



Original Color
68, 57.738, 310.685



Protanomaly
68, 52.352, 294.923



Deuteranomaly
68, 47.422, 294.439



Tritanomaly
68, 27.276, 316.335

Monochromacy



Original Color
68, 57.738, 310.685



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 20.816, 308.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 57.738, 310.685 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(193, 144, 245)` looks like.

```
.text, #text, p{  
    color:rgb(193, 144, 245)  
}
```

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(193, 144, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 144, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 57.738, 310.685 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(193, 144, 245) }
```

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

```
.border{ border-color:rgb(193, 144, 245) }
```

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

Here you see how a box with a 4 pixel rgb(193, 144, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 144, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 144, 245);  
box-shadow:4px 4px 4px 4px rgb(193, 144,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 57.738, 310.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 144, 245) }
```

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

```
.background{ background-color: rgb(193,  
144, 245) }
```

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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