

Converting Colors

CIELCh(68, 59.749, 303.871)

Have a look what the booklet for
CIELCh(68, 59.749, 303.871)
contains.

CIELCh(68, 59.089, 303.756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 59.089, 303.756)

Conversions

Conversions Part 1

Format	Color
Hex	B195FF
RGB	177, 149, 255
RGB Percent	69%, 58%, 100%
CMY	0.3066, 0.4164, 0.0008
CMYK	0.31, 0.42, 0.00, 0.00
HSL	256°, 100%, 79%
HSV	256°, 42%, 100%
XYZ	46.8271, 37.9720, 99.3052
YIQ	169.4560, -17.3380, 38.9020

Conversions

Conversions Part 2

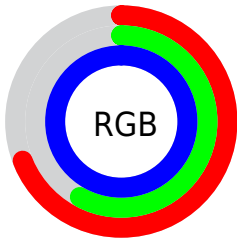
Format	Color
R_{YB}	177, 149, 255
Decimal	11638271
CIE _{Lab}	68.00, 32.83, -49.13
CIE _{LCh}	68, 59.089, 303.756
Yxy	37.9720, 0.2544, 0.2063
Android (android.graphics.Color)	4289828351 (0xFFB195FF)
YUV	169.4560, 42.1732, 6.6161
Hunter-Lab	61.6215, 27.8073, -52.4130

Details

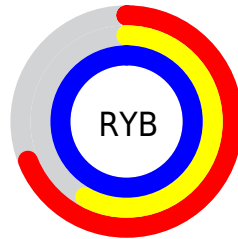
The CIELCh color $68, 59.089, 303.756$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $96, 53.806, 117.888$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 29.546, 313.875$, and $48, 59.128, 303.621$ is the 20% darker color. If you saturate the color by 10%, you get $61, 74.358, 304.782$, and if you desaturate by 10%, it is $76, 44.126, 302.805$.

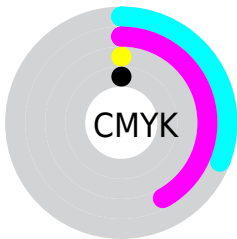
Distribution



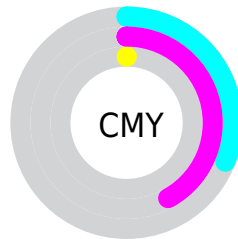
- Red (69%)
- Green (58%)
- Blue (100%)



- Red (69%)
- Yellow (58%)
- Blue (100%)



- Cyan (31%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (42%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 59.089, 303.756 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, 59.089, 303.756 by changing the saturation by 10% instead.


 68, 59.089,
303.756


 68, 59.089,
303.756


 100, 59.089,
303.756


 58, 59.089,
303.756


 88, 59.089,
303.756

 48, 59.089,
303.756

 98, 59.089,
303.756

 38, 59.089,
303.756

 28, 59.089,
303.756

 18, 59.089,
303.756

 8, 59.089, 303.756

 0, 59.089, 303.756

68, 59.089,
303.756

68, 59.089,
303.756

61, 74.358,
304.782

76, 44.126,
302.805

53, 89.602,
305.832

83, 29.617,
301.951

47, 104.156,
306.808

91, 15.612,
301.196

41, 116.866,
307.549

99, 2.114, 300.521

37, 126.174,
307.852

100, 0.087,
109.279

35, 130.836,
307.730

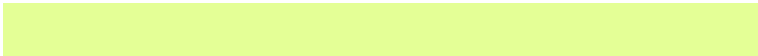
Harmonies

Complementary

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



68, 59.089, 303.756



96, 53.806, 117.888

Rectangle

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



68, 59.089, 303.756



68, 59.089, 353.756



68, 59.089, 123.756



68, 59.089, 173.756

Sweetspot

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



68, 59.088, 303.756



91, 16.184, 301.225



87, 27.098, 229.145



47, 10.760, 301.318



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, 59.088, 303.756



62, 71.961, 304.616



73, 62.449, 319.085



49, 7.633, 301.050



25, 105.237, 307.870



4, 44.685, 306.888

Inverse Universe

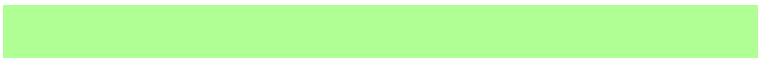
The Inverse Universe completely reimagines the original color for something new.



75, 54.919, 335.890



71, 65.092, 336.602



93, 60.961, 135.072



50, 7.531, 333.475



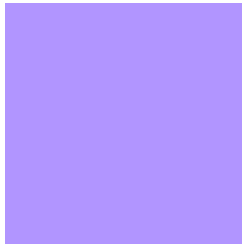
43, 76.103, 342.363



11, 35.800, 340.227

Previews

White Background



This preview shows how the CIELCh color 68, 59.089, 303.756 looks on a white background.

Color Contrast Check

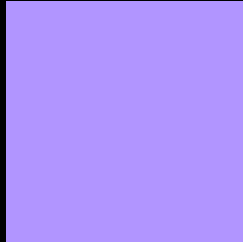
Large Text (above 18pt) WCAG AA × Fail

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, 59.089, 303.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

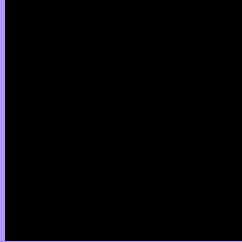
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 59.089, 303.756

Background



This preview shows how black text looks on a background with the CIELCh color 68, 59.089, 303.756.



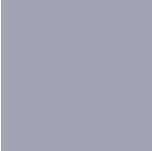
This preview shows how white text looks on a background with the CIELCh color 68, 59.089, 303.756.

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, 7.827, 280.268

Trichromacy



Original Color
68, 59.089, 303.756

Protanomaly
68, 53.376, 292.297

Deuteranomaly
68, 51.235, 290.397

Tritanomaly
68, 26.723, 298.657

Monochromacy



Original Color
68, 59.089, 303.756

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 21.297, 301.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 59.089, 303.756 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(177, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 149, 255)  
}
```

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(177, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 149, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 59.089, 303.756 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(177, 149, 255) }
```

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

```
.border{ border-color:rgb(177, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 149,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 59.089, 303.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 149, 255) }
```

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

```
.background{ background-color: rgb(177,  
149, 255) }
```

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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