

# Converting Colors

CIELCh(68, 51.185, 319.370)

Have a look what the booklet for  
CIELCh(68, 51.185, 319.370)  
contains.

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**Color**

**CIELCh(68, 50.797, 319.268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE8EE2
RGB	206, 142, 226
RGB Percent	81%, 56%, 89%
CMY	0.1920, 0.4430, 0.1136
CMYK	0.09, 0.37, 0.00, 0.11
HSL	286°, 59%, 72%
HSV	286°, 37%, 89%
XYZ	48.8693, 37.9720, 76.7252
YIQ	170.7120, 11.1800, 39.6920

# Conversions

## Conversions Part 2

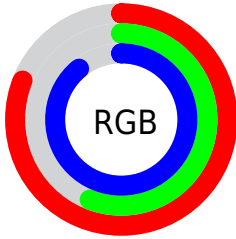
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 142, 226
Decimal	13536994
CIE <sub>Lab</sub>	68.00, 38.49, -33.15
CIE <sub>LCh</sub>	68, 50.797, 319.268
Yxy	37.9720, 0.2988, 0.2322
Android (android.graphics.Color)	4291727074 (0xFFCE8EE2)
YUV	170.7120, 27.2570, 30.9476
Hunter-Lab	61.6215, 33.7229, -30.6872

# Details

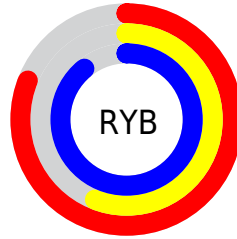
The CIELCh color  $68, 50.797, 319.268$  is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be  $84, 49.766, 135.699$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $86, 36.378, 325.689$ , and  $48, 50.740, 319.246$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 64.177, 319.652$ , and if you desaturate by 10%, it is  $74, 37.058, 318.841$ .

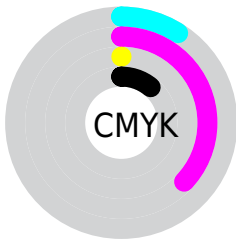
# Distribution



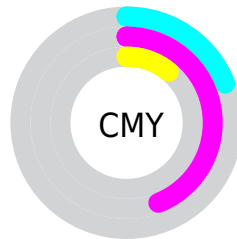
- Red (81%)
- Green (56%)
- Blue (89%)



- Red (81%)
- Yellow (56%)
- Blue (89%)



- Cyan (9%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (44%)
- Yellow (11%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 50.797, 319.268 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, 50.797, 319.268 by changing the saturation by 10% instead.



 68, 50.797,  
319.268

 68, 50.797,  
319.268


 100, 50.797,  
319.268

 58, 50.797,  
319.268


 88, 50.797,  
319.268

 48, 50.797,  
319.268

 98, 50.797,  
319.268

 38, 50.797,  
319.268

 28, 50.797,  
319.268

 18, 50.797,  
319.268

 8, 50.797, 319.268

 0, 50.797, 319.268

68, 50.797,  
319.268

68, 50.797,  
319.268

63, 64.177,  
319.652

74, 37.058,  
318.841

58, 76.770,  
319.958

80, 23.270,  
318.397

53, 87.999,  
320.141

86, 9.625, 317.944

50, 97.198,  
320.148

92, 3.756, 137.600

47, 103.760,  
319.927

98, 16.779,  
137.143


45, 107.429,  
319.444

98, 15.930,  
131.190

45, 108.198,  
319.286

99, 15.273,  
124.571

99, 14.841,  
117.387

 99, 14.662,  
109.832

# Harmonies

# Complementary

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



68, 50.797, 319.268



84, 49.766, 135.699

# Rectangle

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



68, 50.797, 319.268



68, 50.797, 9.268



68, 50.797, 139.268



68, 50.797, 189.268

# Sweetspot

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



68, 50.795, 319.268



93, 16.361, 318.123



68, 35.082, 283.046



48, 11.007, 318.185



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, 50.795, 319.268



71, 67.622, 319.585



69, 45.176, 334.929



44, 7.602, 318.049



34, 89.671, 319.419



5, 35.211, 320.031



# Inverse Universe

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



68, 34.522, 4.887



71, 46.510, 6.373



83, 44.870, 149.240



44, 4.958, 1.227



37, 68.564, 26.238

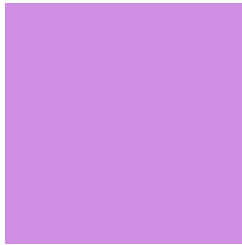


6, 25.289, 10.794



# Previews

## White Background



This preview shows how the CIELCh color 68, 50.797, 319.268 looks on a white background.

## Color Contrast Check

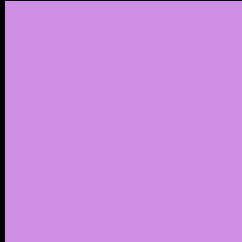
Large Text (above 18pt) WCAG AA × Fail

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, 50.797, 319.268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

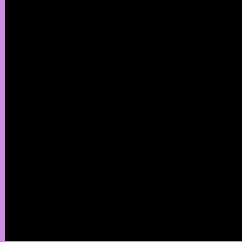
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 68, 50.797, 319.268**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 68, 50.797, 319.268.



This preview shows how white text looks on a background with the CIELCh color 68, 50.797, 319.268.

# 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, 17.900, 359.671

# Trichromacy



**Original Color**  
68, 50.797, 319.268



**Protanomaly**  
68, 45.433, 298.092



**Deuteranomaly**  
68, 37.427, 301.298



**Tritanomaly**  
68, 27.835, 333.616

# Monochromacy



**Original Color**  
68, 50.797, 319.268



**Achromatopsia**  
70, 0.009, 296.813



**Achromatomaly**  
69, 19.236, 318.726

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 50.797, 319.268 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(206, 142, 226)` looks like.

```
.text, #text, p{  
    color:rgb(206, 142, 226)  
}
```

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(206, 142, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 142, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 50.797, 319.268 is called "border". The border property can be set on classes, ids or directly on the HTML element.

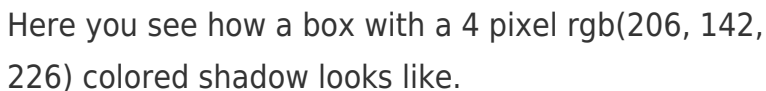
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 142, 226) }
```

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

```
.border{ border-color:rgb(206, 142, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 142, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 142, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 142, 226);  
box-shadow:4px 4px 4px 4px rgb(206, 142,  
226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 50.797, 319.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 142, 226) }
```

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

```
.background{ background-color: rgb(206,  
142, 226) }
```

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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