

# Converting Colors

CIELCh(69, 38.008, 303.294)

Have a look what the booklet for  
CIELCh(69, 38.008, 303.294)  
contains.

<b>CIELCh(69, 38.065, 303.168)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

**Color**

**CIELCh(69, 38.065, 303.168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B19EE2
RGB	177, 158, 226
RGB Percent	69%, 62%, 89%
CMY	0.3055, 0.3800, 0.1133
CMYK	0.22, 0.30, 0.00, 0.11
HSL	257°, 54%, 75%
HSV	257°, 30%, 89%
XYZ	44.1418, 39.3444, 77.2970
YIQ	171.4330, -10.5040, 25.1760

# Conversions

## Conversions Part 2

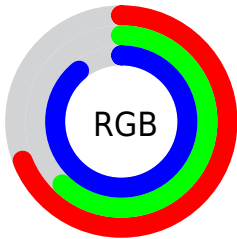
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 158, 226
Decimal	11640546
CIE <sub>Lab</sub>	69.00, 20.83, -31.86
CIE <sub>LCh</sub>	69, 38.065, 303.168
Y <sub>xy</sub>	39.3444, 0.2745, 0.2447
Android (android.graphics.Color)	4289830626 (0xFFB19EE2)
YUV	171.4330, 26.9015, 4.8823
Hunter-Lab	62.7251, 15.8475, -29.1563

# Details

The CIELCh color  $69, 38.065, 303.168$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $87, 35.766, 119.217$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 23.100, 309.017$ , and  $49, 37.523, 302.899$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 51.575, 304.063$ , and if you desaturate by 10%, it is  $76, 24.960, 302.362$ .

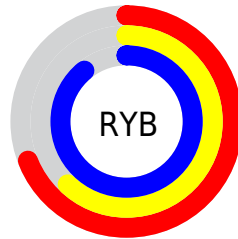
# Distribution



Red (69%)

Green (62%)

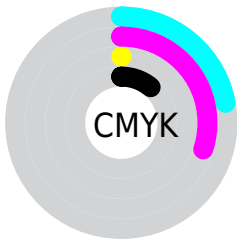
Blue (89%)



Red (69%)

Yellow (62%)

Blue (89%)

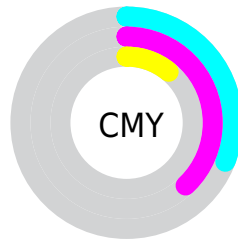


Cyan (22%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (31%)

Magenta (38%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 38.065, 303.168 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, 38.065, 303.168 by changing the saturation by 10% instead.



 69, 38.065,  
303.168


 69, 38.065,  
303.168

 100, 38.065,  
303.168


 59, 38.065,  
303.168

 89, 38.065,  
303.168

 49, 38.065,  
303.168

 99, 38.065,  
303.168

 39, 38.065,  
303.168

 29, 38.065,  
303.168

 19, 38.065,  
303.168

 9, 38.065, 303.168

 0, 38.065, 303.168

69, 38.065,  
303.168

69, 38.065,  
303.168

62, 51.575,  
304.063

76, 24.960,  
302.362

55, 65.380,  
305.031

83, 12.305,  
301.649

49, 79.211,  
306.026

90, 0.102, 300.591

43, 92.537,  
306.965

97, 11.665,  
120.496

38, 104.426,  
307.705

99, 14.618,  
109.073

33, 113.556,  
308.057

31, 119.162,  
307.958

# Harmonies

# Complementary

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



69, 38.065, 303.168



87, 35.766, 119.217

# Rectangle

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



69, 38.065, 303.168



69, 38.065, 353.168



69, 38.065, 123.168



69, 38.065, 173.168

# Sweetspot

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



69, 38.063, 303.168



93, 12.096, 301.582



81, 18.561, 229.945



49, 8.426, 301.679



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, 38.063, 303.168



72, 50.758, 303.710



72, 41.133, 319.117



43, 6.884, 301.607



23, 98.605, 308.100



3, 32.243, 302.699





# Inverse Universe

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



73, 35.983, 335.598



78, 47.341, 336.088



85, 40.459, 136.269



44, 6.706, 334.070



39, 70.870, 343.326



7, 29.770, 340.264



# Previews

## White Background



This preview shows how the CIELCh color 69, 38.065, 303.168 looks on a white background.

## Color Contrast Check

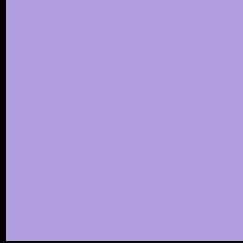
Large Text (above 18pt) WCAG AA × Fail

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, 38.065, 303.168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

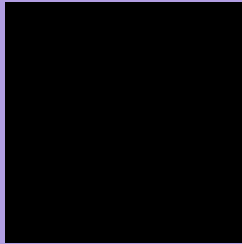
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 38.065, 303.168

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 38.065, 303.168.

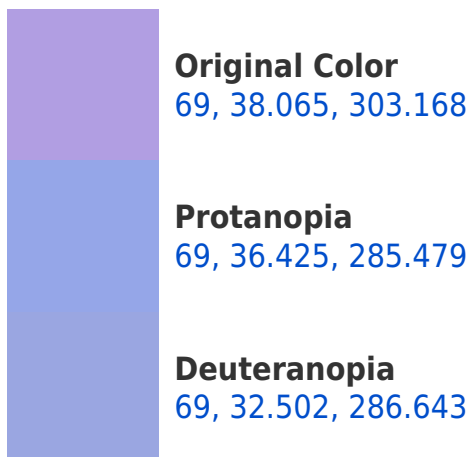


This preview shows how white text looks on a background with the CIELCh color 69, 38.065, 303.168.

# 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, 7.197, 296.754



# Trichromacy



**Original Color**  
69, 38.065, 303.168

**Protanomaly**  
69, 36.825, 291.821

**Deuteranomaly**  
69, 34.094, 292.979

**Tritanomaly**  
69, 18.431, 300.776

# Monochromacy



**Original Color**  
69, 38.065, 303.168

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 13.993, 301.861

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 38.065, 303.168 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, 158, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 158, 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(177, 158, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 158, 226) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 38.065, 303.168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

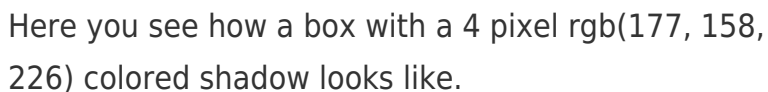
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 158, 226) }
```

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

```
.border{ border-color:rgb(177, 158, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 158, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 158, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 158, 226); box-shadow:4px 4px 4px 4px rgb(177, 158, 226) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 38.065, 303.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 158, 226) }
```

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

```
.background{ background-color: rgb(177,  
158, 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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