

Converting Colors

CIELCh(69, 34.086, 309.831)

Have a look what the booklet for
CIELCh(69, 34.086, 309.831)
contains.

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Color

CIELCh(69, 33.966, 309.537)

Conversions

Conversions Part 1

Format	Color
Hex	B99DD8
RGB	185, 157, 216
RGB Percent	73%, 62%, 85%
CMY	0.2748, 0.3846, 0.1533
CMYK	0.14, 0.27, 0.00, 0.15
HSL	268°, 43%, 73%
HSV	268°, 27%, 85%
XYZ	44.4148, 39.3444, 70.1617
YIQ	172.0980, -2.2510, 24.2850

Conversions

Conversions Part 2

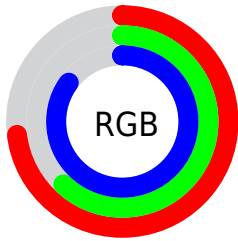
Format	Color
RYB	185, 157, 216
Decimal	12164568
CIELab	69.00, 21.62, -26.20
CIELCh	69, 33.966, 309.537
Yxy	39.3444, 0.2886, 0.2556
Android (android.graphics.Color)	4290354648 (0xFFB99DD8)
YUV	172.0980, 21.6437, 11.3151
Hunter-Lab	62.7251, 16.6245, -22.4117

Details

The CIELCh color $69, 33.966, 309.537$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $83, 32.626, 126.888$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 24.807, 316.373$, and $49, 34.281, 309.582$ is the 20% darker color. If you saturate the color by 10%, you get $63, 46.937, 310.105$, and if you desaturate by 10%, it is $75, 21.241, 308.997$.

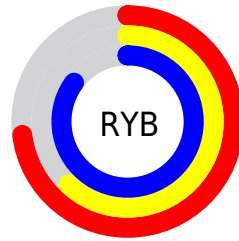
Distribution



Red (73%)

Green (62%)

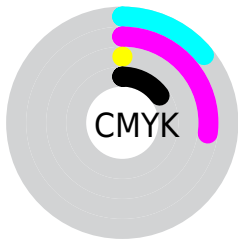
Blue (85%)



Red (73%)

Yellow (62%)

Blue (85%)

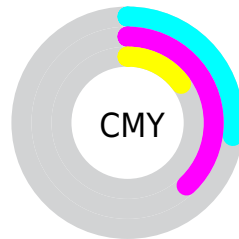


Cyan (14%)

Magenta (27%)

Yellow (0%)

Black (15%)



Cyan (27%)


Magenta (38%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 33.966, 309.537 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, 33.966, 309.537 by changing the saturation by 10% instead.


 69, 33.966,
309.537


 69, 33.966,
309.537


 100, 33.966,
309.537


 59, 33.966,
309.537


 89, 33.966,
309.537

 49, 33.966,
309.537

 99, 33.966,
309.537

 39, 33.966,
309.537

 29, 33.966,
309.537

 19, 33.966,
309.537

 9, 33.966, 309.537

 0, 33.966, 309.537

69, 33.966,
309.537

69, 33.966,
309.537

63, 46.937,
310.105

75, 21.241,
308.997

57, 59.999,
310.680

82, 8.850, 308.495

88, 3.173, 128.097

51, 72.860,
311.221

94, 14.820,
127.669

46, 85.036,
311.662

98, 20.417,
122.529

41, 95.802,
311.910

99, 19.776,
110.832

37, 104.237,
311.844

99, 19.756,
108.682

34, 109.604,
311.365

34, 110.788,

Harmonies

Complementary

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



69, 33.966, 309.537



83, 32.626, 126.888

Rectangle

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



69, 33.966, 309.537



69, 33.966, 359.537



69, 33.966, 129.537



69, 33.966, 179.537

Sweetspot

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



69, 33.964, 309.537



94, 11.079, 308.531



75, 17.832, 255.808



49, 7.891, 308.606



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, 33.964, 309.537



76, 47.294, 309.875



72, 37.810, 324.973



42, 6.836, 308.597



26, 92.880, 311.399



3, 28.814, 307.418

Inverse Universe

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



71, 27.662, 344.734



79, 38.285, 345.379



81, 37.742, 141.774



42, 5.625, 343.030



37, 63.136, 359.351



5, 23.801, 352.536

Previews

White Background



This preview shows how the CIELCh color 69, 33.966, 309.537 looks on a white background.

Color Contrast Check

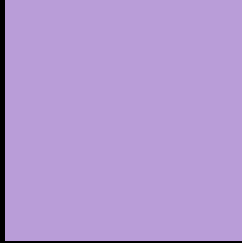
Large Text (above 18pt) WCAG AA × Fail

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, 33.966, 309.537 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, 33.966, 309.537

Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.966, 309.537.



This preview shows how white text looks on a background with the CIELCh color 69, 33.966, 309.537.

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, 9.128, 328.765

Trichromacy



Original Color
69, 33.966, 309.537

Protanomaly
69, 31.382, 294.450

Deuteranomaly
69, 29.358, 298.266

Tritanomaly
69, 18.112, 315.317

Monochromacy



Original Color
69, 33.966, 309.537

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 12.133, 308.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 33.966, 309.537 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(185, 157, 216)` looks like.

```
.text, #text, p{  
    color:rgb(185, 157, 216)  
}
```

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(185, 157, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 157, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 33.966, 309.537 is called "border". The border property can be set on classes, ids or directly on the HTML element.

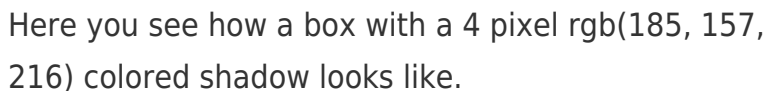
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 157, 216) }
```

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

```
.border{ border-color:rgb(185, 157, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 157, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 157, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 157, 216); box-shadow:4px 4px 4px 4px rgb(185, 157, 216) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 33.966, 309.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 157, 216) }
```

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

```
.background{ background-color: rgb(185,  
157, 216) }
```

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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