

Converting Colors

CIELCh(69, 28.018, 311.164)

Have a look what the booklet for
CIELCh(69, 28.018, 311.164)
contains.

CIELCh(69, 27.924, 310.864)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 27.924, 310.864)

Conversions

Conversions Part 1

Format	Color
Hex	B89FCF
RGB	184, 159, 207
RGB Percent	72%, 62%, 81%
CMY	0.2796, 0.3776, 0.1894
CMYK	0.11, 0.23, 0.00, 0.19
HSL	271°, 33%, 72%
HSV	271°, 23%, 81%
XYZ	43.2735, 39.3444, 64.1554
YIQ	171.9470, -0.5080, 20.2280

Conversions

Conversions Part 2

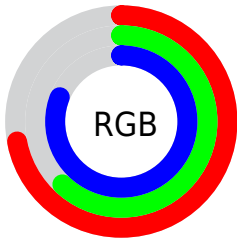
Format	Color
RYB	184, 159, 207
Decimal	12099535
CIELab	69.00, 18.27, -21.12
CIELCh	69, 27.924, 310.864
Yxy	39.3444, 0.2948, 0.2681
Android (android.graphics.Color)	4290289615 (0xFFB89FCF)
YUV	171.9470, 17.2811, 10.5705
Hunter-Lab	62.7251, 13.3767, -16.7344

Details

The CIELCh color $69, 27.924, 310.864$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $80, 27.089, 128.742$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 23.283, 314.292$, and $49, 28.514, 311.213$ is the 20% darker color. If you saturate the color by 10%, you get $63, 40.402, 311.380$, and if you desaturate by 10%, it is $75, 15.687, 310.372$.

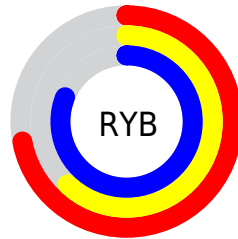
Distribution



Red (72%)

Green (62%)

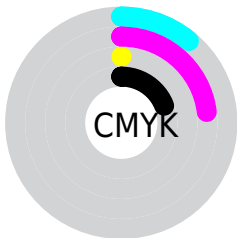
Blue (81%)



Red (72%)

Yellow (62%)

Blue (81%)

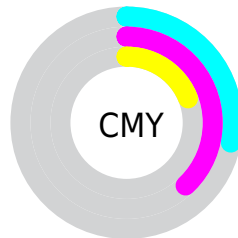


Cyan (11%)

Magenta (23%)

Yellow (0%)

Black (19%)



Cyan (28%)

Magenta (38%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 27.924, 310.864 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, 27.924, 310.864 by changing the saturation by 10% instead.

69, 27.924,
310.864

69, 27.924,
310.864

100, 27.924,
310.864

59, 27.924,
310.864

89, 27.924,
310.864

49, 27.924,
310.864

99, 27.924,
310.864

39, 27.924,
310.864

29, 27.924,
310.864

19, 27.924,
310.864

9, 27.924, 310.864

0, 27.924, 310.864

69, 27.924,
310.864

69, 27.924,
310.864

63, 40.402,
311.380

75, 15.687,
310.372

57, 52.992,
311.901

81, 3.767, 309.894

87, 7.807, 129.534

52, 65.453,
312.396

93, 19.026,
129.157

46, 77.387,
312.812

97, 25.781,
126.422

42, 88.198,
313.071

98, 24.826,
118.531

38, 97.096,
313.072

99, 24.398,
110.039

35, 103.280,
312.708

99, 24.381,
108.329

33, 106.123,

Harmonies

Complementary

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



69, 27.924, 310.864



80, 27.089, 128.742

Rectangle

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



69, 27.924, 310.864



69, 27.924, 0.864



69, 27.924, 130.864



69, 27.924, 180.864

Sweetspot

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



69, 27.922, 310.863



95, 9.773, 310.083



73, 15.362, 260.661



50, 6.355, 310.112



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, 27.922, 310.863



80, 40.180, 311.126



71, 30.961, 326.155



41, 6.765, 310.192



26, 90.939, 312.459



3, 26.864, 308.287

Inverse Universe

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



70, 21.992, 346.895



82, 31.560, 347.451



79, 30.944, 143.355



41, 5.347, 345.538



36, 61.943, 3.643



5, 21.612, 355.276

Previews

White Background



This preview shows how the CIELCh color 69, 27.924, 310.864 looks on a white background.

Color Contrast Check

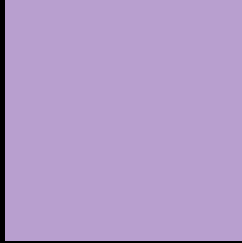
Large Text (above 18pt) WCAG AA × Fail

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, 27.924, 310.864 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, 27.924, 310.864

Background



This preview shows how black text looks on a background with the CIELCh color 69, 27.924, 310.864.



This preview shows how white text looks on a background with the CIELCh color 69, 27.924, 310.864.

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



Original Color
69, 27.924, 310.864

Protanopia
69, 24.842, 284.975

Deuteranopia
69, 22.012, 293.252



Tritanopia
69, 9.128, 328.765

Trichromacy



Original Color
69, 27.924, 310.864

Protanomaly
69, 25.351, 294.968

Deuteranomaly
69, 23.930, 299.939

Tritanomaly
69, 15.967, 317.271

Monochromacy



Original Color
69, 27.924, 310.864

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 10.459, 309.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 27.924, 310.864 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(184, 159, 207)` looks like.

```
.text, #text, p{  
    color:rgb(184, 159, 207)  
}
```

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(184, 159, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 159, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 27.924, 310.864 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(184, 159, 207) }
```

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

```
.border{ border-color:rgb(184, 159, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 159, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 159, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 159, 207);  
box-shadow:4px 4px 4px 4px rgb(184, 159,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 27.924, 310.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 159, 207) }
```

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

```
.background{ background-color: rgb(184,  
159, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor