

Converting Colors

CIELCh(72, 14.989, 309.655)

Have a look what the booklet for
CIELCh(72, 14.989, 309.655)
contains.

CIELCh(72, 14.989, 309.655)	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(72, 14.989, 309.655)

Conversions

Conversions Part 1

Format	Color
Hex	B9ACC6
RGB	185, 172, 198
RGB Percent	73%, 67%, 78%
CMY	0.2762, 0.3272, 0.2253
CMYK	0.07, 0.13, 0.00, 0.23
HSL	270°, 18%, 72%
HSV	270°, 13%, 77%
XYZ	44.7158, 43.6590, 59.2302
YIQ	178.8510, -0.5980, 10.8420

Conversions

Conversions Part 2

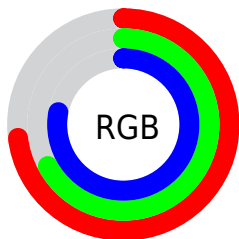
Format	Color
R _Y B	185, 172, 198
Decimal	12168390
CIE Lab	72.00, 9.57, -11.54
CIE LCh	72, 14.989, 309.655
Yxy	43.6590, 0.3029, 0.2958
Android (android.graphics.Color)	4290358470 (0xFFB9ACC6)
YUV	178.8510, 9.4405, 5.3927
Hunter-Lab	66.0750, 5.1675, -6.8956

Details

The CIELCh color $72, 14.989, 309.655$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $78, 14.719, 128.488$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 15.349, 309.559$, and $52, 14.738, 309.809$ is the 20% darker color. If you saturate the color by 10%, you get $66, 26.740, 310.156$, and if you desaturate by 10%, it is $78, 3.547, 309.169$.

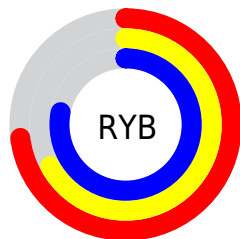
Distribution



Red (73%)

Green (67%)

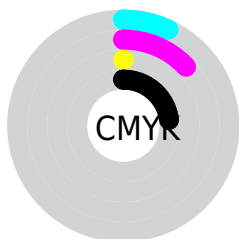
Blue (78%)



Red (73%)

Yellow (67%)

Blue (78%)

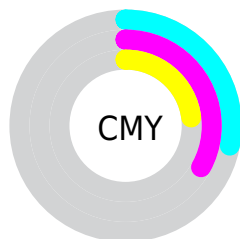


Cyan (7%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (28%)


Magenta (33%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 14.989, 309.655 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 72, 14.989, 309.655 by changing the saturation by 10% instead.


 72, 14.989,
309.655

 72, 14.989,
309.655


 100, 14.989,
309.655


 62, 14.989,
309.655


 92, 14.989,
309.655

 52, 14.989,
309.655

 42, 14.989,
309.655

 32, 14.989,
309.655

 22, 14.989,
309.655

 12, 14.989,
309.655

 2, 14.989, 309.655

0, 14.989, 309.655

72, 14.989,
309.655

72, 14.989,
309.655

66, 26.740,
310.156

78, 3.547, 309.169

84, 7.555, 128.802

60, 38.746,
310.688

90, 18.312,
128.422

55, 50.883,
311.231

95, 28.733,
128.092

49, 62.933,
311.753

97, 30.100,
123.072

44, 74.528,
312.202

98, 29.295,
116.199

40, 85.101,
312.502

99, 28.958,

■ 36, 93.886,
312.547

108.933

■ 33, 100.076,
312.226

■ 99, 28.951,
107.978

■ 31, 103.024,
311.843

Harmonies

Complementary

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



72, 14.989, 309.655



78, 14.719, 128.488

Rectangle

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



72, 14.989, 309.655



72, 14.989, 359.655



72, 14.989, 129.655



72, 14.989, 179.655

Sweetspot

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



72, 14.987, 309.653



97, 5.540, 309.216



74, 8.195, 255.369



51, 3.940, 309.254



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 14.987, 309.653



88, 22.524, 309.805



73, 16.975, 324.686



39, 6.463, 309.472



25, 89.273, 312.001



2, 22.367, 305.918

Inverse Universe

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



73, 12.052, 344.727



90, 18.096, 345.017



77, 16.949, 143.237



39, 5.202, 344.380



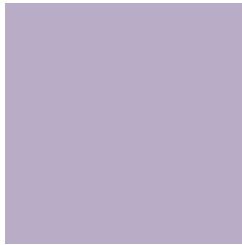
35, 60.737, 1.554



4, 17.858, 352.978

Previews

White Background



This preview shows how the CIELCh color 72, 14.989, 309.655 looks on a white background.

Color Contrast Check

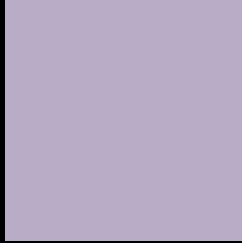
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 72, 14.989, 309.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

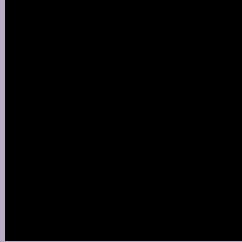
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 14.989, 309.655

Background



This preview shows how black text looks on a background with the CIELCh color 72, 14.989, 309.655.



This preview shows how white text looks on a background with the CIELCh color 72, 14.989, 309.655.

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


72, 14.989, 309.655

Protanopia

72, 13.627, 288.542

Deuteranopia

72, 14.880, 308.327



Tritanopia
72, 8.516, 316.474

Trichromacy



Original Color
72, 14.989, 309.655

Protanomaly
72, 13.691, 295.952

Deuteranomaly
72, 14.880, 308.327

Tritanomaly
72, 11.303, 313.925

Monochromacy



Original Color
72, 14.989, 309.655

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 5.139, 307.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 14.989, 309.655 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, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(185, 172, 198)  
}
```

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, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 172, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 14.989, 309.655 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, 172, 198) }
```

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

```
.border{ border-color:rgb(185, 172, 198) }
```

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

Here you see how a box with a 4 pixel rgb(185, 172, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(185, 172,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 14.989, 309.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 172, 198) }
```

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

```
.background{ background-color: rgb(185,  
172, 198) }
```

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