

Converting Colors

CIELCh(70, 22.311, 309.952)

Have a look what the booklet for
CIELCh(70, 22.311, 309.952)
contains.

CIELCh(70, 21.998, 309.938)	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(70, 21.998, 309.938)

Conversions

Conversions Part 1

Format	Color
Hex	B7A4CA
RGB	183, 164, 202
RGB Percent	72%, 64%, 79%
CMY	0.2833, 0.3578, 0.2089
CMYK	0.09, 0.19, 0.00, 0.21
HSL	270°, 26%, 72%
HSV	270°, 19%, 79%
XYZ	43.3284, 40.7494, 61.2982
YIQ	174.0130, -0.8740, 15.8460

Conversions

Conversions Part 2

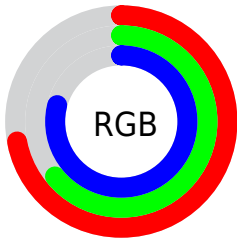
Format	Color
R_{YB}	183, 164, 202
Decimal	12035274
CIE _{Lab}	70.00, 14.12, -16.87
CIE _{LCh}	70, 21.998, 309.938
Yxy	40.7494, 0.2980, 0.2803
Android (android.graphics.Color)	4290225354 (0xFFB7A4CA)
YUV	174.0130, 13.7976, 7.8816
Hunter-Lab	63.8353, 9.4457, -12.2489

Details

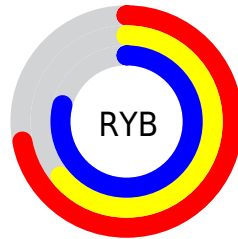
The CIELCh color $70, 21.998, 309.938$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79, 21.440, 128.219$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 20.046, 311.599$, and $50, 22.218, 310.193$ is the 20% darker color. If you saturate the color by 10%, you get $64, 34.109, 310.458$, and if you desaturate by 10%, it is $76, 10.173, 309.447$.

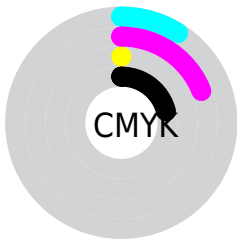
Distribution



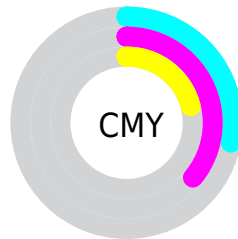
- Red (72%)
- Green (64%)
- Blue (79%)



- Red (72%)
- Yellow (64%)
- Blue (79%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (21%)





- Cyan (28%)
- Magenta (36%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 21.998, 309.938 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 70, 21.998, 309.938 by changing the saturation by 10% instead.


 70, 21.998,
309.938


 70, 21.998,
309.938


 100, 21.998,
309.938


 60, 21.998,
309.938


 90, 21.998,
309.938

 50, 21.998,
309.938

 40, 21.998,
309.938

 30, 21.998,
309.938

 20, 21.998,
309.938

 10, 21.998,
309.938

 0, 21.998, 309.938

70, 21.998,
309.938

70, 21.998,
309.938

64, 34.109,
310.458

76, 10.173,
309.447

58, 46.418,
311.000

82, 1.317, 129.108

53, 58.748,
311.537

88, 12.458,
128.631

47, 70.796,
312.026

94, 23.250,
128.274

42, 82.076,
312.400

97, 28.168,
124.804

38, 91.883,
312.567

98, 27.267,
117.376

35, 99.378,
312.413

99, 26.876,
109.450

32, 104.155,

99, 26.864,
108.138

311.889

■ 32, 104.664,
311.828

Harmonies

Complementary

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



70, 21.998, 309.938



79, 21.440, 128.219

Rectangle

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



70, 21.998, 309.938



70, 21.998, 359.938



70, 21.998, 129.938



70, 21.998, 179.938

Sweetspot

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



70, 21.996, 309.937



96, 8.330, 309.316



74, 11.886, 256.236



51, 5.530, 309.348



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 21.996, 309.937



83, 32.687, 310.167



72, 24.770, 324.994



40, 6.600, 309.474



25, 90.311, 311.988



3, 24.542, 306.641

Inverse Universe

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



71, 17.652, 345.270



85, 26.173, 345.717



78, 24.737, 142.841



40, 5.312, 344.384



35, 61.429, 1.613



4, 19.920, 353.526

Previews

White Background



This preview shows how the CIELCh color 70, 21.998, 309.938 looks on a white background.

Color Contrast Check

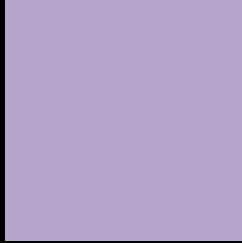
Large Text (above 18pt) WCAG AA × Fail

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 70, 21.998, 309.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

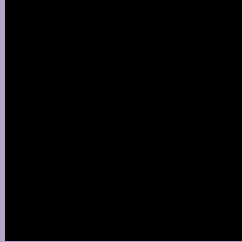
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 21.998, 309.938

Background



This preview shows how black text looks on a background with the CIELCh color 70, 21.998, 309.938.



This preview shows how white text looks on a background with the CIELCh color 70, 21.998, 309.938.

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


70, 21.998, 309.938

Protanopia

70, 19.801, 285.209

Deuteranopia

70, 18.814, 298.414



Tritanopia
70, 8.919, 320.823

Trichromacy



Original Color
70, 21.998, 309.938

Protanomaly
70, 19.768, 294.122

Deuteranomaly
70, 19.658, 303.395

Tritanomaly
70, 13.672, 313.271

Monochromacy



Original Color
70, 21.998, 309.938

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 8.119, 309.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 21.998, 309.938 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(183, 164, 202)` looks like.

```
.text, #text, p{  
    color:rgb(183, 164, 202)  
}
```

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(183, 164, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 164, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 21.998, 309.938 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(183, 164, 202) }
```

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

```
.border{ border-color:rgb(183, 164, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 164, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 164, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 164, 202);  
box-shadow:4px 4px 4px 4px rgb(183, 164,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 21.998, 309.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 164, 202) }
```

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

```
.background{ background-color: rgb(183,  
164, 202) }
```

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