

Converting Colors

CIELCh(70, 20.320, 338.060)

Have a look what the booklet for
CIELCh(70, 20.320, 338.060)
contains.

CIELCh(70, 19.978, 338.221)	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, 19.978, 338.221)

Conversions

Conversions Part 1

Format	Color
Hex	C7A0B9
RGB	199, 160, 185
RGB Percent	78%, 63%, 73%
CMY	0.2199, 0.3728, 0.2748
CMYK	0.00, 0.20, 0.07, 0.22
HSL	322°, 26%, 70%
HSV	322°, 20%, 78%
XYZ	44.8421, 40.7494, 51.3615
YIQ	174.5110, 15.2190, 16.0430

Conversions

Conversions Part 2

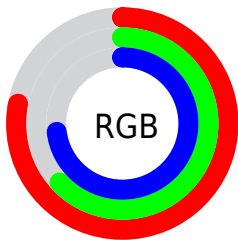
Format	Color
R _Y B	199, 160, 185
Decimal	13082809
CIE Lab	70.00, 18.55, -7.41
CIE LCh	70, 19.978, 338.221
Yxy	40.7494, 0.3274, 0.2975
Android (android.graphics.Color)	4291272889 (0xFFC7A0B9)
YUV	174.5110, 5.1711, 21.4769
Hunter-Lab	63.8353, 13.6786, -3.0197

Details

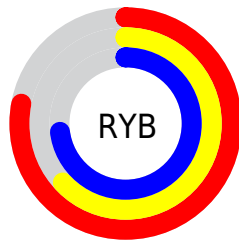
The CIELCh color $70, 19.978, 338.221$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $77, 19.746, 155.251$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 19.636, 337.521$, and $50, 20.240, 338.310$ is the 20% darker color. If you saturate the color by 10%, you get $65, 30.241, 339.066$, and if you desaturate by 10%, it is $75, 9.716, 337.430$.

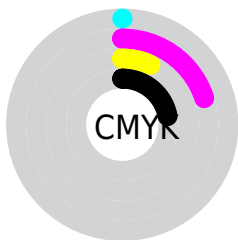
Distribution



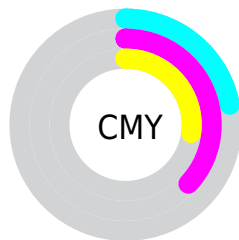
- Red (78%)
- Green (63%)
- Blue (73%)



- Red (78%)
- Yellow (63%)
- Blue (73%)



- Cyan (0%)
- Magenta (20%)
- Yellow (7%)
- Black (22%)





- Cyan (22%)
- Magenta (37%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.978, 338.221 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, 19.978, 338.221 by changing the saturation by 10% instead.


 70, 19.978,
338.221


 70, 19.978,
338.221


 100, 19.978,
338.221


 60, 19.978,
338.221


 90, 19.978,
338.221

 50, 19.978,
338.221

 40, 19.978,
338.221

 30, 19.978,
338.221

 20, 19.978,
338.221

 10, 19.978,
338.221

 0, 19.978, 338.221

70, 19.978,
338.221

70, 19.978,
338.221

65, 30.241,
339.066

75, 9.716, 337.430

60, 40.282,
339.986

80, 0.391, 157.659

56, 49.769,
341.007

86, 10.258,
156.113

52, 58.270,
342.166

91, 19.840,
155.469

49, 65.281,
343.515

96, 26.516,
156.230

47, 70.321,
345.132

96, 24.051,
162.458


45, 73.085,
347.115

96, 21.895,
169.958

44, 73.863,

96, 20.152,
178.879

349.511

 96, 18.942,
189.173

 44, 73.886,
349.609

Harmonies

Complementary

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



70, 19.978, 338.221



77, 19.746, 155.251

Rectangle

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



70, 19.978, 338.221



70, 19.978, 28.221



70, 19.978, 158.221



70, 19.978, 208.221

Sweetspot

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



70, 19.976, 338.222



96, 7.405, 337.150



68, 22.127, 304.799



51, 4.914, 337.204



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, 19.976, 338.222



85, 29.976, 338.615



69, 15.508, 9.023



39, 5.736, 337.413



36, 63.965, 349.193



4, 19.604, 344.232

Inverse Universe

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



70, 19.976, 338.222



85, 29.976, 338.615



77, 14.161, 185.504



39, 5.736, 337.413



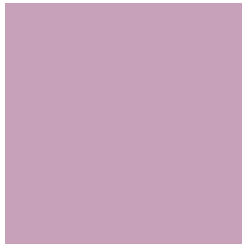
36, 63.965, 349.193



4, 19.604, 344.232

Previews

White Background



This preview shows how the CIELCh color 70, 19.978, 338.221 looks on a white background.

Color Contrast Check

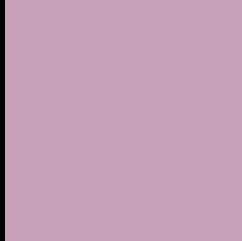
Large Text (above 18pt) WCAG AA × Fail

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, 19.978, 338.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

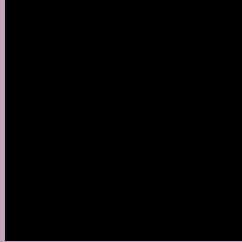
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 19.978, 338.221

Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.978, 338.221.



This preview shows how white text looks on a background with the CIELCh color 70, 19.978, 338.221.

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
70, 15.241, 355.469

Trichromacy



Original Color
70, 19.978, 338.221

Protanomaly
70, 13.539, 311.823

Deuteranomaly
70, 14.174, 330.140

Tritanomaly
70, 16.818, 347.567

Monochromacy



Original Color
70, 19.978, 338.221

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 7.230, 337.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 19.978, 338.221 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(199, 160, 185)` looks like.

```
.text, #text, p{  
    color:rgb(199, 160, 185)  
}
```

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(199, 160, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 160, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 19.978, 338.221 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(199, 160, 185) }
```

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

```
.border{ border-color:rgb(199, 160, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 160, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 160, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 160, 185);  
box-shadow:4px 4px 4px 4px rgb(199, 160,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 19.978, 338.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 160, 185) }
```

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

```
.background{ background-color: rgb(199,  
160, 185) }
```

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