

Converting Colors

CIELCh(70, 2.241, 106.348)

Have a look what the booklet for
CIELCh(70, 2.241, 106.348) contains.

CIELCh(70, 2.206, 100.019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 2.206, 100.019)

Conversions

Conversions Part 1

Format	Color
Hex	ACABA7
RGB	172, 171, 167
RGB Percent	67%, 67%, 65%
CMY	0.3250, 0.3289, 0.3446
CMYK	0.00, 0.01, 0.03, 0.33
HSL	48°, 3%, 67%
HSV	48°, 3%, 67%
XYZ	38.6109, 40.7494, 42.4475
YIQ	170.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

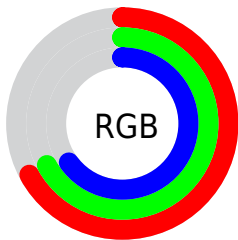
Format	Color
RYB	168, 172, 167
Decimal	11316135
CIELab	70.00, -0.38, 2.17
CIELCh	70, 2.206, 100.019
Yxy	40.7494, 0.3170, 0.3345
Android (android.graphics.Color)	4289506215 (0xFFACABA7)
YUV	170.8430, -1.8946, 1.0147
Hunter-Lab	63.8353, -3.7455, 5.2596

Details

The CIELCh color **70, 2.206, 100.019** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 2.230, 280.827**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 2.092, 100.074**, and **50, 2.360, 99.912** is the 20% darker color. If you saturate the color by 10%, you get **69, 9.876, 98.981**, and if you desaturate by 10%, it is **71, 5.395, 281.233**.

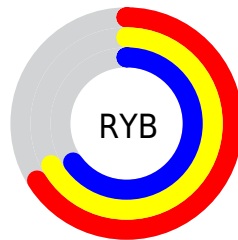
Distribution



Red (67%)

Green (67%)

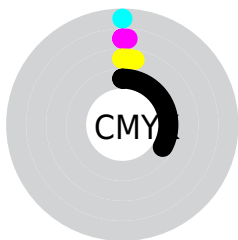
Blue (65%)



Red (66%)

Yellow (67%)

Blue (65%)

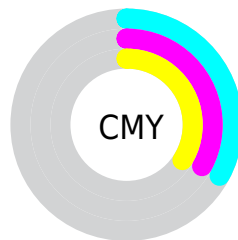


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.206, 100.019 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, 2.206, 100.019 by changing the saturation by 10% instead.

■ 70, 2.206, 100.019

■ 70, 2.206, 100.019

■ 100, 2.206,
100.019

■ 60, 2.206, 100.019

■ 90, 2.206, 100.019

■ 50, 2.206, 100.019

■ 40, 2.206, 100.019

■ 30, 2.206, 100.019

■ 20, 2.206, 100.019

■ 10, 2.206, 100.019

■ 0, 2.206, 100.019

■ 70, 2.206, 100.019

■ 70, 2.206, 100.019

■ 69, 9.876, 98.981

■ 71, 5.395, 281.233

67, 17.590, 97.827

73, 12.922,
282.261

66, 25.310, 96.642

74, 20.370,
283.255

65, 32.966, 95.434

64, 40.434, 94.212

76, 27.737,
284.203

63, 47.504, 92.976

77, 35.024,
285.103

62, 53.834, 91.722

61, 58.930, 90.428

78, 34.202,
283.012

60, 62.221, 89.044

79, 32.490,
280.338

80, 30.854,
277.394

81, 29.307,
274.150

Harmonies

Complementary

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



70, 2.206, 100.019



69, 2.230, 280.827

Rectangle

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



70, 2.206, 100.019



70, 2.206, 150.019



70, 2.206, 280.019



70, 2.206, 330.019

Sweetspot

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



70, 2.207, 100.057



89, 0.936, 100.146



69, 1.981, 3.277



47, 0.531, 100.141



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



70, 2.207, 100.057



89, 2.829, 100.044



70, 2.787, 121.656



37, 1.733, 99.980



52, 57.744, 88.200



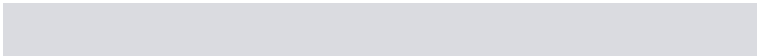
6, 8.502, 95.740

Inverse Universe

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



69, 2.230, 280.827



87, 2.858, 280.841



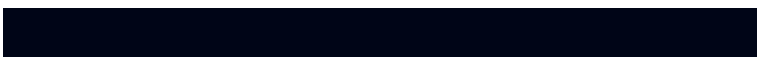
69, 2.818, 301.949



36, 1.750, 280.907



21, 77.906, 302.034



1, 9.569, 282.560

Previews

White Background



This preview shows how the CIELCh color 70, 2.206, 100.019 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, 2.206, 100.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

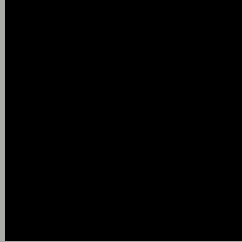
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

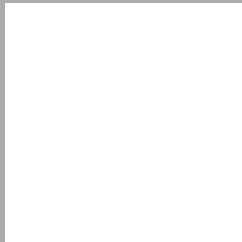
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.206, 100.019

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.206, 100.019.



This preview shows how white text looks on a background with the CIELCh color 70, 2.206, 100.019.

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, 2.206, 100.019

Protanopia

70, 2.498, 60.259

Deuteranopia

70, 9.009, 9.729



Tritanopia
70, 7.388, 305.291

Trichromacy



Original Color
70, 2.206, 100.019

Protanomaly
70, 2.222, 66.710

Deuteranomaly
70, 5.775, 14.419

Tritanomaly
70, 4.013, 306.698

Monochromacy



Original Color
70, 2.206, 100.019

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.538, 110.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.206, 100.019 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(172, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 167)  
}
```

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(172, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.206, 100.019 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(172, 171, 167) }
```

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

```
.border{ border-color:rgb(172, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.206, 100.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 167) }
```

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

```
.background{ background-color: rgb(172,  
171, 167) }
```

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