

Converting Colors

CIELCh(70, 0.922, 55.084)

Have a look what the booklet for
CIELCh(70, 0.922, 55.084) contains.

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Color

CIELCh(70, 0.923, 55.089)

Conversions

Conversions Part 1

Format	Color
Hex	ADABAA
RGB	173, 171, 170
RGB Percent	68%, 67%, 67%
CMY	0.3228, 0.3306, 0.3345
CMYK	0.00, 0.01, 0.02, 0.32
HSL	20°, 2%, 67%
HSV	20°, 2%, 68%
XYZ	38.8969, 40.7494, 43.6932
YIQ	171.4840, 1.5130, 0.1130

Conversions

Conversions Part 2

Format	Color
RYB	173, 172, 170
Decimal	11381674
CIELab	70.00, 0.53, 0.76
CIELCh	70, 0.923, 55.089
Yxy	40.7494, 0.3154, 0.3304
Android (android.graphics.Color)	4289571754 (0xFFADABAA)
YUV	171.4840, -0.7316, 1.3295
Hunter-Lab	63.8353, -2.9459, 4.1026

Details

The CIELCh color $70, 0.923, 55.089$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 0.924, 236.431$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 0.874, 54.979$, and $50, 0.989, 55.170$ is the 20% darker color. If you saturate the color by 10%, you get $67, 6.480, 54.845$, and if you desaturate by 10%, it is $74, 4.274, 236.589$.

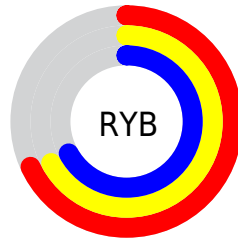
Distribution



Red (68%)

Green (67%)

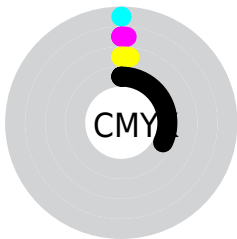
Blue (67%)



Red (68%)

Yellow (67%)

Blue (67%)

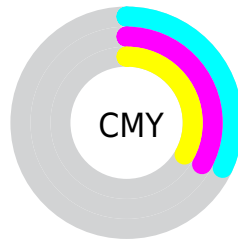


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (32%)



Cyan (32%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 0.923, 55.089 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, 0.923, 55.089 by changing the saturation by 10% instead.

■ 70, 0.923, 55.089

■ 70, 0.923, 55.089

100, 0.923, 55.089

■ 60, 0.923, 55.089

■ 90, 0.923, 55.089

■ 50, 0.923, 55.089

■ 40, 0.923, 55.089

■ 30, 0.923, 55.089

■ 20, 0.923, 55.089

■ 10, 0.923, 55.089

■ 0, 0.923, 55.089

■ 70, 0.923, 55.089

■ 70, 0.923, 55.089

■ 67, 6.480, 54.845

■ 74, 4.274, 236.589

63, 12.438, 54.144

77, 9.151, 237.347

60, 18.834, 53.481

81, 13.746,
238.145

56, 25.696, 52.888

84, 18.095,
238.945

53, 33.028, 52.381

50, 40.784, 51.959

88, 21.927,
238.521

48, 48.823, 51.579

91, 22.279,
219.237

45, 56.805, 51.113

43, 64.000, 50.248

94, 24.805,
202.498

95, 26.021,
197.813

Harmonies

Complementary

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



70, 0.923, 55.089



70, 0.924, 236.431

Rectangle

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



70, 0.923, 55.089



70, 0.923, 105.089



70, 0.923, 235.089



70, 0.923, 285.089

Sweetspot

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



70, 0.923, 55.214



89, 0.654, 54.933



70, 1.588, 335.588



47, 0.371, 54.889



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, 0.923, 55.214



88, 1.318, 55.261



70, 1.367, 102.057



36, 0.604, 55.237



36, 62.239, 49.764



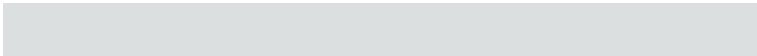
3, 6.426, 48.182

Inverse Universe

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



70, 0.924, 236.431



89, 1.315, 236.387



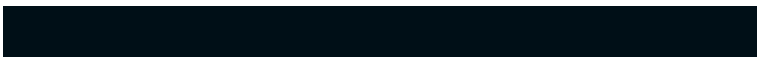
70, 1.386, 282.611



37, 0.604, 236.410



40, 34.687, 261.335



4, 6.551, 247.227

Previews

White Background



This preview shows how the CIELCh color 70, 0.923, 55.089 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, 0.923, 55.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

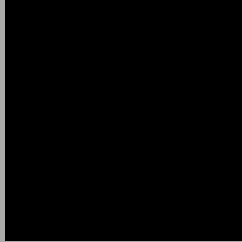
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

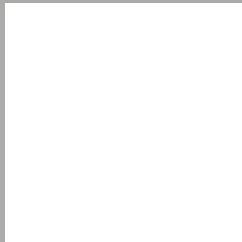
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 0.923, 55.089

Background



This preview shows how black text looks on a background with the CIELCh color 70, 0.923, 55.089.

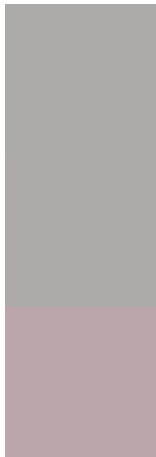


This preview shows how white text looks on a background with the CIELCh color 70, 0.923, 55.089.

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, 0.923, 55.089

Protanopia

70, 1.604, 39.114

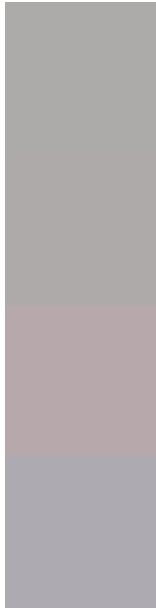
Deuteranopia

70, 8.489, 1.408



Tritanopia
70, 7.492, 308.026

Trichromacy



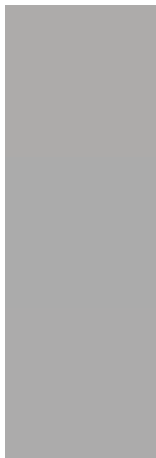
Original Color
70, 0.923, 55.089

Protanomaly
70, 1.604, 39.114

Deuteranomaly
70, 5.586, 2.792

Tritanomaly
70, 4.650, 309.239

Monochromacy



Original Color
70, 0.923, 55.089

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 0.378, 18.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 0.923, 55.089 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(173, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 171, 170)  
}
```

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(173, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 171, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 0.923, 55.089 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(173, 171, 170) }
```

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

```
.border{ border-color:rgb(173, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 171,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 0.923, 55.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 171, 170) }
```

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

```
.background{ background-color: rgb(173,  
171, 170) }
```

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](#).

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