

Converting Colors

CIELCh(70, 8.522, 109.531)

Have a look what the booklet for
CIELCh(70, 8.522, 109.531) contains.

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Color

CIELCh(70, 8.718, 109.292)

Conversions

Conversions Part 1

Format	Color
Hex	ACAC9C
RGB	172, 172, 156
RGB Percent	67%, 67%, 61%
CMY	0.3249, 0.3249, 0.3877
CMYK	0.00, 0.00, 0.09, 0.32
HSL	60°, 9%, 64%
HSV	60°, 9%, 68%
XYZ	37.8353, 40.7494, 37.3848
YIQ	170.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

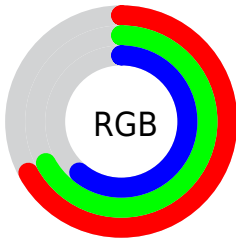
Format	Color
RYB	156, 172, 156
Decimal	11316380
CIELab	70.00, -2.88, 8.23
CIELCh	70, 8.718, 109.292
Yxy	40.7494, 0.3263, 0.3514
Android (android.graphics.Color)	4289506460 (0xFFACAC9C)
YUV	170.1760, -6.9888, 1.5996
Hunter-Lab	63.8353, -5.9145, 9.9618

Details

The CIELCh color $70, 8.718, 109.292$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 8.909, 291.133$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 8.797, 109.450$, and $50, 8.724, 109.026$ is the 20% darker color. If you saturate the color by 10%, you get $70, 18.052, 108.349$, and if you desaturate by 10%, it is $70, 0.669, 290.338$.

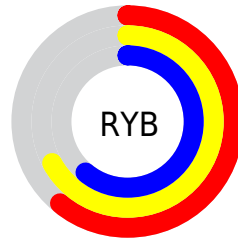
Distribution



Red (67%)

Green (67%)

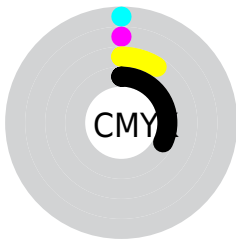
Blue (61%)



Red (61%)

Yellow (67%)

Blue (61%)

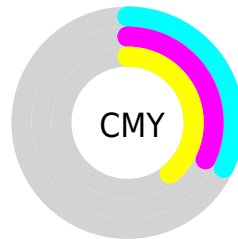


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (32%)

Magenta (32%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 8.718, 109.292 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, 8.718, 109.292 by changing the saturation by 10% instead.

■ 70, 8.718, 109.292

■ 70, 8.718, 109.292

■ 100, 8.718,
109.292

■ 60, 8.718, 109.292

■ 90, 8.718, 109.292

■ 50, 8.718, 109.292

■ 40, 8.718, 109.292

■ 30, 8.718, 109.292

■ 20, 8.718, 109.292

■ 10, 8.718, 109.292

■ 0, 8.718, 109.292

■ 70, 8.718, 109.292

■ 70, 8.718, 109.292

■ 70, 18.052,

■ 70, 0.669, 290.338

108.349

71, 10.072,
291.181

69, 27.265,
107.397

71, 19.462,
292.071

69, 36.259,
106.464

72, 28.817,
292.929

69, 44.884,
105.575

73, 38.123,
293.747

69, 52.908,
104.757

73, 44.998,
294.329

68, 60.004,
104.047

73, 44.998,
294.331

68, 65.753,
103.482

73, 44.998,
294.332

68, 69.742,
103.097

73, 44.998,
294.333

68, 72.039,
102.879

Harmonies

Complementary

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



70, 8.718, 109.292



65, 8.909, 291.133

Rectangle

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



70, 8.718, 109.292



70, 8.718, 159.292



70, 8.718, 289.292



70, 8.718, 339.292

Sweetspot

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



70, 8.720, 109.301



89, 3.487, 109.879



66, 6.232, 19.908



47, 2.642, 109.809



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, 8.720, 109.301



89, 12.796, 109.121



69, 9.293, 128.676



37, 5.341, 109.300



60, 65.376, 102.864



7, 11.345, 110.188

Inverse Universe

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



65, 8.909, 291.133



81, 13.125, 291.342



66, 9.418, 309.467



33, 5.457, 291.134



17, 90.271, 306.288



1, 11.347, 290.184

Previews

White Background



This preview shows how the CIELCh color 70, 8.718, 109.292 looks on a white background.

Color Contrast Check

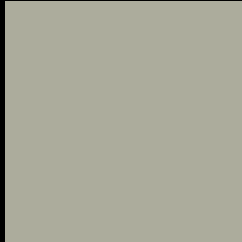
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 8.718, 109.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

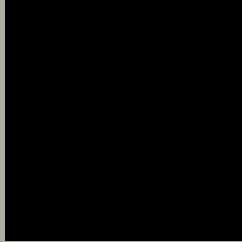
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

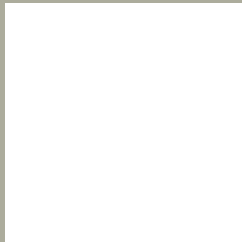
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 8.718, 109.292

Background



This preview shows how black text looks on a background with the CIELCh color 70, 8.718, 109.292.



This preview shows how white text looks on a background with the CIELCh color 70, 8.718, 109.292.

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, 8.718, 109.292

Protanopia

70, 8.754, 88.322

Deuteranopia

70, 11.347, 39.803



Tritanopia
70, 8.264, 311.829

Trichromacy



Original Color
70, 8.718, 109.292

Protanomaly
70, 8.930, 96.621

Deuteranomaly
70, 8.992, 61.498

Tritanomaly
70, 2.516, 338.708

Monochromacy



Original Color
70, 8.718, 109.292

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 3.271, 109.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 8.718, 109.292 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, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 156)  
}
```

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, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 8.718, 109.292 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, 172, 156) }
```

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

```
.border{ border-color:rgb(172, 172, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 8.718, 109.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 156) }
```

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

```
.background{ background-color: rgb(172,  
172, 156) }
```

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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