

Converting Colors

CIELCh(70, 18.831, 110.390)

Have a look what the booklet for
CIELCh(70, 18.831, 110.390)
contains.

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Color

CIELCh(70, 19.000, 110.686)

Conversions

Conversions Part 1

Format	Color
Hex	ACAE8B
RGB	172, 174, 139
RGB Percent	67%, 68%, 55%
CMY	0.3267, 0.3188, 0.4560
CMYK	0.01, 0.00, 0.20, 0.32
HSL	63°, 18%, 61%
HSV	63°, 20%, 68%
XYZ	36.6652, 40.7494, 30.2489
YIQ	169.4120, 10.0430, -11.3090

Conversions

Conversions Part 2

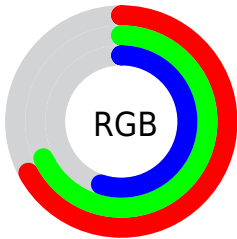
Format	Color
RYB	139, 174, 141
Decimal	11316875
CIELab	70.00, -6.71, 17.78
CIELCh	70, 19.000, 110.686
Yxy	40.7494, 0.3406, 0.3785
Android (android.graphics.Color)	4289506955 (0xFFACAE8B)
YUV	169.4120, -14.9931, 2.2697
Hunter-Lab	63.8353, -9.1864, 16.5896

Details

The CIELCh color **70, 19.000, 110.686** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 19.891, 294.449**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 18.576, 109.817**, and **50, 19.086, 111.608** is the 20% darker color. If you saturate the color by 10%, you get **70, 28.278, 109.823**, and if you desaturate by 10%, it is **70, 9.596, 111.559**.

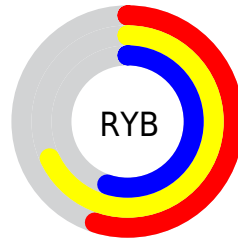
Distribution



Red (67%)

Green (68%)

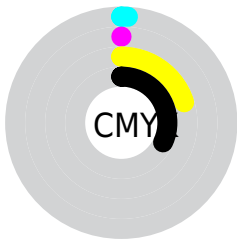
Blue (55%)



Red (55%)

Yellow (68%)

Blue (55%)

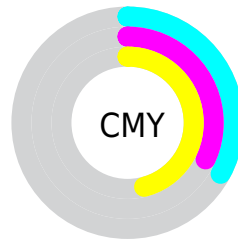


Cyan (1%)

Magenta (0%)

Yellow (20%)

Black (32%)



Cyan (33%)


Magenta (32%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.000, 110.686 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, 19.000, 110.686 by changing the saturation by 10% instead.


 70, 19.000,
110.686


 70, 19.000,
110.686


 100, 19.000,
110.686


 60, 19.000,
110.686


 90, 19.000,
110.686

 50, 19.000,
110.686

 40, 19.000,
110.686

 30, 19.000,
110.686

 20, 19.000,
110.686

 10, 19.000,
110.686

 0, 19.000, 110.686

70, 19.000,
110.686

70, 19.000,
110.686

70, 28.278,
109.823

70, 9.596, 111.559

71, 0.129, 112.124

69, 37.322,
108.978

72, 9.356, 293.262

69, 45.976,
108.182

72, 18.827,
294.066

69, 54.004,
107.470

73, 28.262,
294.837

68, 61.067,
106.888

74, 37.645,
295.570

68, 66.743,
106.490

74, 44.126,
296.176

68, 70.621,
106.325

74, 44.138,
296.571

68, 72.853,

106.369

■ 74, 44.153,
296.968

Harmonies

Complementary

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



70, 19.000, 110.686



59, 19.891, 294.449

Rectangle

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



70, 19.000, 110.686



70, 19.000, 160.686



70, 19.000, 290.686



70, 19.000, 340.686

Sweetspot

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



70, 19.002, 110.690



90, 7.055, 111.905



61, 13.531, 24.832



48, 4.718, 111.851



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 19.002, 110.690



89, 28.080, 110.318



69, 20.563, 129.917



37, 5.348, 111.631



60, 65.535, 106.329



7, 11.372, 113.451

Inverse Universe

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



59, 19.891, 294.449



73, 29.712, 294.965



61, 21.063, 311.678



34, 5.464, 293.288



17, 89.953, 306.504



1, 11.358, 292.018

Previews

White Background



This preview shows how the CIELCh color 70, 19.000, 110.686 looks on a white background.

Color Contrast Check

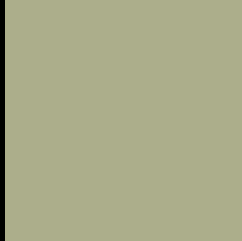
Large Text (above 18pt) WCAG AA × Fail

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, 19.000, 110.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

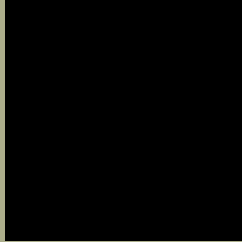
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

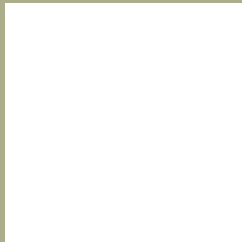
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 19.000, 110.686

Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.000, 110.686.



This preview shows how white text looks on a background with the CIELCh color 70, 19.000, 110.686.

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, 19.000, 110.686

Protanopia

70, 18.933, 95.859

Deuteranopia

70, 18.924, 61.396



Tritanopia
70, 7.907, 315.763

Trichromacy



Original Color
70, 19.000, 110.686

Protanomaly
70, 18.626, 100.791

Deuteranomaly
70, 17.363, 80.576

Tritanomaly
70, 2.885, 68.475

Monochromacy



Original Color
70, 19.000, 110.686

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 7.107, 112.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 19.000, 110.686 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, 174, 139)` looks like.

```
.text, #text, p{  
    color:rgb(172, 174, 139)  
}
```

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, 174, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 174, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 19.000, 110.686 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, 174, 139) }
```

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

```
.border{ border-color:rgb(172, 174, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 174, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 174, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 174, 139);  
box-shadow:4px 4px 4px 4px rgb(172, 174,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 19.000, 110.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 174, 139) }
```

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

```
.background{ background-color: rgb(172,  
174, 139) }
```

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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