

Converting Colors

CIELCh(70, 70.235, 103.543)

Have a look what the booklet for
CIELCh(70, 70.235, 103.543)
contains.

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Color

CIELCh(70, 70.300, 103.535)

Conversions

Conversions Part 1

Format	Color
Hex	B0B118
RGB	176, 177, 24
RGB Percent	69%, 69%, 9%
CMY	0.3097, 0.3058, 0.9057
CMYK	0.01, 0.00, 0.86, 0.31
HSL	60°, 76%, 39%
HSV	60°, 86%, 69%
XYZ	33.7994, 40.7494, 6.9498
YIQ	159.2590, 48.5170, -47.7950

Conversions

Conversions Part 2

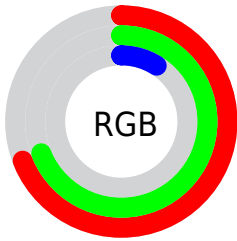
Format	Color
R _Y B	24, 177, 25
Decimal	11579672
CIE Lab	70.00, -16.45, 68.35
CIE LCh	70, 70.300, 103.535
Yxy	40.7494, 0.4147, 0.5000
Android (android.graphics.Color)	4289769752 (0xFFB0B118)
YUV	159.2590, -66.6827, 14.6819
Hunter-Lab	63.8353, -17.1998, 38.2297

Details

The CIELCh color **70, 70.300, 103.535** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **24, 93.691, 304.842**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 70.257, 103.388**, and **50, 57.247, 105.719** is the 20% darker color. If you saturate the color by 10%, you get **70, 72.961, 103.316**, and if you desaturate by 10%, it is **70, 65.695, 103.953**.

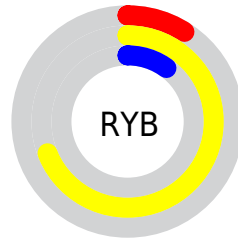
Distribution



Red (69%)

Green (69%)

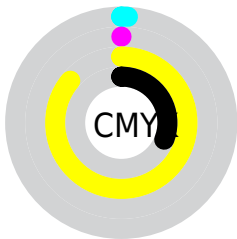
Blue (9%)



Red (9%)

Yellow (69%)

Blue (10%)

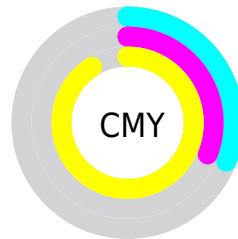


Cyan (1%)

Magenta (0%)

Yellow (86%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 70.300, 103.535 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, 70.300, 103.535 by changing the saturation by 10% instead.


 70, 70.300,
103.535


 70, 70.300,
103.535


 100, 70.300,
103.535


 60, 70.300,
103.535


 90, 70.300,
103.535

 50, 70.300,
103.535

 40, 70.300,
103.535

 30, 70.300,
103.535

 20, 70.300,
103.535

 10, 70.300,
103.535

 0, 70.300, 103.535

■ 70, 70.300,
103.535

■ 70, 70.300,
103.535

■ 70, 72.961,
103.316

■ 70, 65.695,
103.953

■ 70, 73.702,
103.258

■ 70, 59.392,
104.548

■ 70, 51.832,
105.281

■ 71, 43.424,
106.113

■ 71, 34.476,
107.009

■ 71, 25.199,
107.941

■ 71, 15.731,
108.887

■ 72, 6.161, 109.827

Harmonies

Complementary

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



70, 70.300, 103.535



24, 93.691, 304.842

Rectangle

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



70, 70.300, 103.535



70, 70.300, 153.535



70, 70.300, 283.535



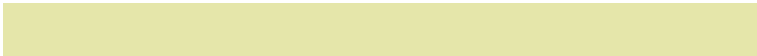
70, 70.300, 333.535

Sweetspot

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



70, 70.300, 103.537



90, 30.626, 107.939



38, 71.363, 35.891



47, 20.695, 107.622



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, 70.300, 103.537



88, 89.495, 103.265



65, 77.833, 126.781



38, 5.471, 109.556



61, 66.190, 103.253



8, 13.297, 110.489

Inverse Universe

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



24, 93.691, 304.842



29, 123.539, 306.302



31, 88.265, 312.505



34, 5.590, 291.378



17, 91.353, 306.312



1, 13.317, 290.377

Previews

White Background



This preview shows how the CIELCh color 70, 70.300, 103.535 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, 70.300, 103.535 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, 70.300, 103.535

Background



This preview shows how black text looks on a background with the CIELCh color 70, 70.300, 103.535.



This preview shows how white text looks on a background with the CIELCh color 70, 70.300, 103.535.

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, 70.300, 103.535

Protanopia

70, 69.503, 94.872

Deuteranopia

70, 67.515, 82.428



Tritanopia
70, 11.239, 341.226

Trichromacy



Original Color
70, 70.300, 103.535

Protanomaly
70, 69.480, 97.928

Deuteranomaly
70, 67.293, 90.032

Tritanomaly
69, 26.312, 93.704

Monochromacy



Original Color
70, 70.300, 103.535

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 30.384, 107.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 70.300, 103.535 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(176, 177, 24)` looks like.

```
.text, #text, p{  
    color:rgb(176, 177, 24)  
}
```

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(176, 177, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 177, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 70.300, 103.535 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(176, 177, 24) }
```

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

```
.border{ border-color:rgb(176, 177, 24) }
```

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

Here you see how a box with a 4 pixel rgb(176, 177, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 177, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 177, 24);  
box-shadow:4px 4px 4px 4px rgb(176, 177,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 70.300, 103.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 177, 24) }
```

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

```
.background{ background-color: rgb(176,  
177, 24) }
```

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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