

Converting Colors

CIELCh(70, 3.690, 112.450)

Have a look what the booklet for
CIELCh(70, 3.690, 112.450) contains.

CIELCh(70, 3.837, 115.481)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 3.837, 115.481)

Conversions

Conversions Part 1

Format	Color
Hex	ABACA5
RGB	171, 172, 165
RGB Percent	67%, 67%, 65%
CMY	0.3304, 0.3264, 0.3539
CMYK	0.01, 0.00, 0.04, 0.33
HSL	69°, 4%, 66%
HSV	69°, 4%, 67%
XYZ	38.2160, 40.7494, 41.3318
YIQ	170.9030, 1.6510, -2.3890

Conversions

Conversions Part 2

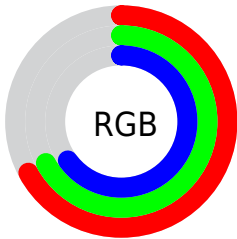
Format	Color
RYB	165, 172, 166
Decimal	11250853
CIELab	70.00, -1.65, 3.46
CIElCh	70, 3.837, 115.481
Yxy	40.7494, 0.3177, 0.3387
Android (android.graphics.Color)	4289440933 (0xFFABACA5)
YUV	170.9030, -2.9102, 0.0851
Hunter-Lab	63.8353, -4.8499, 6.2958

Details

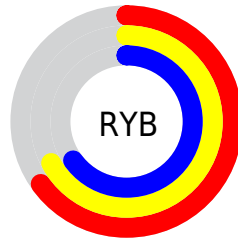
The CIELCh color $70, 3.837, 115.481$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 3.887, 296.104$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 3.641, 115.548$, and $50, 4.099, 115.365$ is the 20% darker color. If you saturate the color by 10%, you get $69, 13.252, 114.755$, and if you desaturate by 10%, it is $71, 5.602, 296.224$.

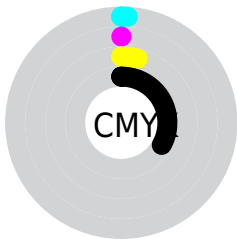
Distribution



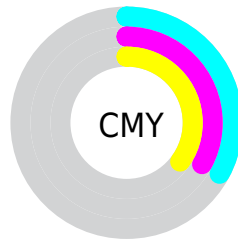
- Red (67%)
- Green (67%)
- Blue (65%)



- Red (65%)
- Yellow (67%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.837, 115.481 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, 3.837, 115.481 by changing the saturation by 10% instead.

■ 70, 3.837, 115.481

■ 70, 3.837, 115.481

■ 100, 3.837,
115.481

■ 60, 3.837, 115.481

■ 90, 3.837, 115.481

■ 50, 3.837, 115.481

■ 40, 3.837, 115.481

■ 30, 3.837, 115.481

■ 20, 3.837, 115.481

■ 10, 3.837, 115.481

■ 0, 3.837, 115.481

■ 70, 3.837, 115.481

■ 70, 3.837, 115.481

■ 69, 13.252,

■ 71, 5.602, 296.224

114.755

71, 15.033,
296.918

69, 22.584,
114.003

72, 24.427,
297.580

68, 31.757,
113.260

73, 33.766,
298.206

68, 40.650,
112.551

74, 43.033,
298.796

67, 49.084,
111.911

74, 45.422,
299.658

67, 56.792,
111.389

74, 45.494,
300.625

67, 63.407,
111.051

75, 45.578,
301.596

67, 68.500,
110.972

75, 45.673,
302.569

66, 71.726,
111.219

Harmonies

Complementary

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



70, 3.837, 115.481



68, 3.887, 296.104

Rectangle

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



70, 3.837, 115.481



70, 3.837, 165.481



70, 3.837, 295.481



70, 3.837, 345.481

Sweetspot

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



70, 3.839, 115.497



89, 1.163, 115.713



68, 2.367, 31.885



47, 0.660, 115.717



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, 3.839, 115.497



89, 5.854, 115.422



70, 4.192, 133.456



37, 3.225, 115.386



59, 66.268, 111.374



7, 11.473, 118.004

Inverse Universe

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



68, 3.887, 296.104



86, 5.935, 296.182



68, 4.223, 313.716



35, 3.272, 296.221



17, 89.350, 306.932



1, 11.396, 294.766

Previews

White Background



This preview shows how the CIE LCh color 70, 3.837, 115.481 looks on a white background.

Color Contrast Check

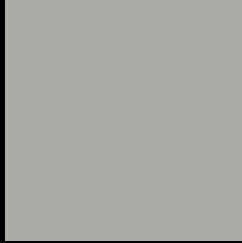
Large Text (above 18pt) WCAG AA × Fail

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, 3.837, 115.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

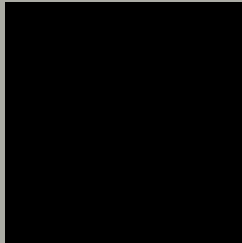
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

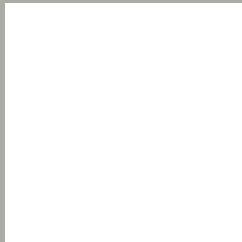
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.837, 115.481

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.837, 115.481.



This preview shows how white text looks on a background with the CIELCh color 70, 3.837, 115.481.

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, 3.837, 115.481

Protanopia

70, 3.987, 74.520

Deuteranopia

70, 9.306, 16.841



Tritanopia
70, 7.302, 302.492

Trichromacy



Original Color
70, 3.837, 115.481

Protanomaly
70, 3.975, 92.964

Deuteranomaly
70, 5.794, 25.219

Tritanomaly
70, 3.386, 303.213

Monochromacy



Original Color
70, 3.837, 115.481

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.085, 110.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.837, 115.481 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(171, 172, 165)` looks like.

```
.text, #text, p{  
    color:rgb(171, 172, 165)  
}
```

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(171, 172, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.837, 115.481 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(171, 172, 165) }
```

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

```
.border{ border-color:rgb(171, 172, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 172, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 172, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 172, 165);  
box-shadow:4px 4px 4px 4px rgb(171, 172,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.837, 115.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 172, 165) }
```

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

```
.background{ background-color: rgb(171,  
172, 165) }
```

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