

# Converting Colors

CIELCh(70, 13.173, 345.442)

Have a look what the booklet for  
CIELCh(70, 13.173, 345.442)  
contains.

<b>CIELCh(70, 13.400, 345.872)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(70, 13.400, 345.872)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0A3B1
RGB	192, 163, 177
RGB Percent	75%, 64%, 69%
CMY	0.2457, 0.3595, 0.3046
CMYK	0.00, 0.15, 0.08, 0.25
HSL	331°, 19%, 70%
HSV	331°, 15%, 75%
XYZ	42.9488, 40.7494, 47.3706
YIQ	173.2670, 12.7900, 10.5020

# Conversions

## Conversions Part 2

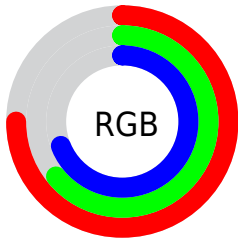
Format	Color
<a href="#">RYB</a>	<a href="#">192, 163, 177</a>
Decimal	<a href="#">12624817</a>
CIELab	<a href="#">70.00, 12.99, -3.27</a>
CIElCh	<a href="#">70, 13.400, 345.872</a>
Yxy	<a href="#">40.7494, 0.3277, 0.3109</a>
Android (android.graphics.Color)	<a href="#">4290814897 (0xFFC0A3B1)</a>
YUV	<a href="#">173.2670, 1.8404, 16.4288</a>
Hunter-Lab	<a href="#">63.8353, 8.3842, 0.6870</a>

# Details

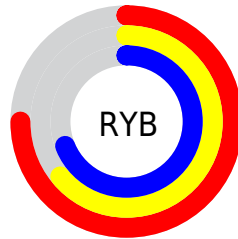
The CIELCh color  $70, 13.400, 345.872$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $75, 13.125, 163.322$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 13.612, 345.576$ , and  $50, 13.301, 346.330$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 22.486, 346.882$ , and if you desaturate by 10%, it is  $75, 4.460, 344.926$ .

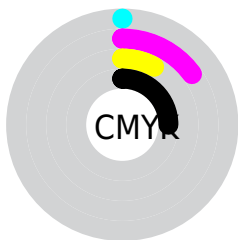
# Distribution



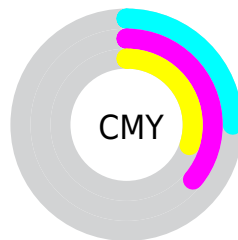
- Red (75%)
- Green (64%)
- Blue (69%)



- Red (75%)
- Yellow (64%)
- Blue (69%)



- Cyan (0%)
- Magenta (15%)
- Yellow (8%)
- Black (25%)




- Cyan (25%)
- Magenta (36%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 13.400, 345.872 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, 13.400, 345.872 by changing the saturation by 10% instead.





 70, 13.400,  
345.872


 70, 13.400,  
345.872


 100, 13.400,  
345.872


 60, 13.400,  
345.872


 90, 13.400,  
345.872

 50, 13.400,  
345.872

 40, 13.400,  
345.872

 30, 13.400,  
345.872

 20, 13.400,  
345.872

 10, 13.400,  
345.872

 0, 13.400, 345.872

70, 13.400,  
345.872

70, 13.400,  
345.872

65, 22.486,  
346.882

75, 4.460, 344.926

60, 31.570,  
348.017

80, 4.238, 164.306

56, 40.412,  
349.326

86, 12.653,  
163.509

52, 48.671,  
350.876

91, 20.767,  
162.823

48, 55.919,  
352.758

95, 26.031,  
164.391

45, 61.695,  
355.096

96, 23.220,  
174.505

43, 65.645,  
358.049

96, 21.233,  
186.871

42, 67.702, 1.775

96, 20.408,  
198.162



# Harmonies

# Complementary

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



70, 13.400, 345.872



75, 13.125, 163.322

# Rectangle

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



70, 13.400, 345.872



70, 13.400, 35.872



70, 13.400, 165.872



70, 13.400, 215.872

# Sweetspot

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



70, 13.398, 345.875



95, 5.428, 344.926



69, 16.914, 310.318



50, 3.706, 344.997



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



70, 13.398, 345.875



87, 19.845, 346.187



70, 11.139, 21.708



38, 5.033, 345.337



34, 59.890, 3.136



3, 15.684, 353.370



# Inverse Universe

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



70, 13.398, 345.875



87, 19.845, 346.187



76, 10.107, 200.156



38, 5.033, 345.337



34, 59.890, 3.136

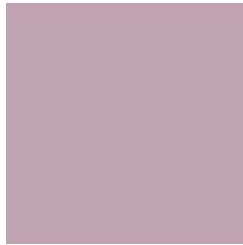


3, 15.684, 353.370



# Previews

## White Background



This preview shows how the CIELCh color 70, 13.400, 345.872 looks on a white background.

## Color Contrast Check

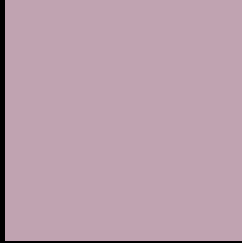
Large Text (above 18pt) WCAG AA × Fail

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, 13.400, 345.872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

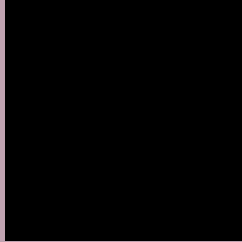
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 13.400, 345.872

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 13.400, 345.872.



This preview shows how white text looks on a background with the CIELCh color 70, 13.400, 345.872.

# 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, 13.400, 345.872

### Protanopia

70, 6.048, 294.267

### Deuteranopia

70, 9.383, 340.380





**Tritanopia**  
70, 12.499, 348.981

# Trichromacy



**Original Color**  
70, 13.400, 345.872

**Protanomaly**  
70, 7.785, 322.478

**Deuteranomaly**  
70, 10.911, 343.470

**Tritanomaly**  
70, 12.499, 348.981

# Monochromacy



**Original Color**  
70, 13.400, 345.872

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 4.989, 346.611

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 13.400, 345.872 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(192, 163, 177)` looks like.

```
.text, #text, p{  
    color:rgb(192, 163, 177)  
}
```

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(192, 163, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 163, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 13.400, 345.872 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(192, 163, 177) }
```

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

```
.border{ border-color:rgb(192, 163, 177) }
```

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

Here you see how a box with a 4 pixel rgb(192, 163, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 163, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 163, 177);  
box-shadow:4px 4px 4px 4px rgb(192, 163,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 13.400, 345.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 163, 177) }
```

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

```
.background{ background-color: rgb(192,  
163, 177) }
```

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