

Converting Colors

CIELCh(70, 3.202, 119.715)

Have a look what the booklet for
CIELCh(70, 3.202, 119.715) contains.

CIELCh(70, 3.364, 122.881)	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, 3.364, 122.881)

Conversions

Conversions Part 1

Format	Color
Hex	AAACA6
RGB	170, 172, 166
RGB Percent	67%, 67%, 65%
CMY	0.3337, 0.3259, 0.3494
CMYK	0.01, 0.00, 0.03, 0.33
HSL	80°, 3%, 66%
HSV	80°, 3%, 67%
XYZ	38.1615, 40.7494, 41.8811
YIQ	170.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

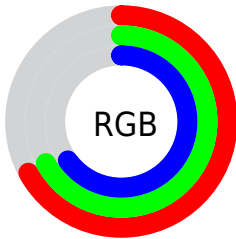
Format	Color
RYB	166, 172, 168
Decimal	11185318
CIELab	70.00, -1.83, 2.83
CIELCh	70, 3.364, 122.881
Yxy	40.7494, 0.3159, 0.3374
Android (android.graphics.Color)	4289375398 (0xFFAAACA6)
YUV	170.7180, -2.3260, -0.6297
Hunter-Lab	63.8353, -5.0024, 5.7856

Details

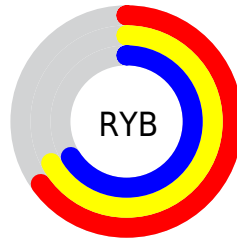
The CIELCh color **70, 3.364, 122.881** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 3.402, 303.231**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 3.192, 122.928**, and **50, 3.595, 122.805** is the 20% darker color. If you saturate the color by 10%, you get **69, 13.028, 122.344**, and if you desaturate by 10%, it is **71, 6.291, 303.384**.

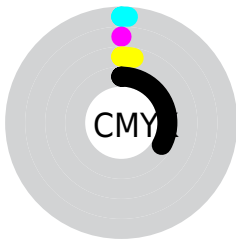
Distribution



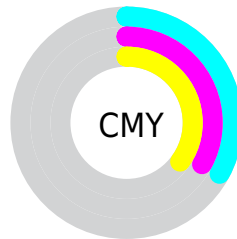
- Red (67%)
- Green (67%)
- Blue (65%)



- Red (65%)
- Yellow (67%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.364, 122.881 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, 3.364, 122.881 by changing the saturation by 10% instead.

■ 70, 3.364, 122.881

■ 70, 3.364, 122.881

■ 100, 3.364,
122.881

■ 60, 3.364, 122.881

■ 90, 3.364, 122.881

■ 50, 3.364, 122.881

■ 40, 3.364, 122.881

■ 30, 3.364, 122.881

■ 20, 3.364, 122.881

■ 10, 3.364, 122.881

■ 0, 3.364, 122.881

■ 70, 3.364, 122.881

■ 70, 3.364, 122.881

■ 69, 13.028,

■ 71, 6.291, 303.384

122.344

72, 15.902,
303.874

68, 22.640,
121.789

73, 25.438,
304.327

68, 32.122,
121.239

74, 34.879,
304.745

67, 41.356,
120.720

75, 44.209,
305.130

66, 50.169,
120.273

76, 46.184,
307.063

66, 58.307,
119.961

76, 46.583,
309.342

65, 65.420,
119.873

77, 47.048,
311.607

65, 71.090,
120.117

77, 47.580,
313.852

64, 74.966,
120.796

Harmonies

Complementary

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



70, 3.364, 122.881



68, 3.402, 303.231

Rectangle

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



70, 3.364, 122.881



70, 3.364, 172.881



70, 3.364, 302.881



70, 3.364, 352.881

Sweetspot

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



70, 3.366, 122.894



89, 1.190, 123.064



69, 1.864, 55.192



47, 0.675, 123.070



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, 3.366, 122.894



89, 4.792, 122.861



70, 3.802, 139.692



37, 2.750, 122.829



57, 69.563, 121.223



6, 11.867, 126.481

Inverse Universe

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



68, 3.402, 303.231



87, 4.845, 303.265



69, 3.822, 319.903



35, 2.782, 303.299



20, 86.910, 308.948



1, 11.572, 300.750

Previews

White Background



This preview shows how the CIELCh color 70, 3.364, 122.881 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, 3.364, 122.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

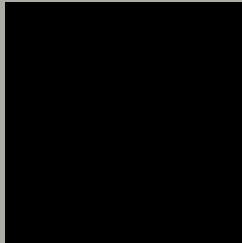
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

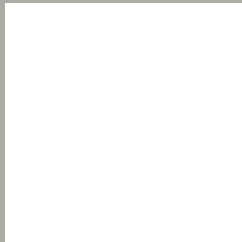
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.364, 122.881

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.364, 122.881.



This preview shows how white text looks on a background with the CIELCh color 70, 3.364, 122.881.

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, 3.364, 122.881

Protanopia
70, 3.317, 74.637

Deuteranopia
70, 9.334, 13.507



Tritanopia
70, 7.775, 299.059

Trichromacy



Original Color
70, 3.364, 122.881

Protanomaly
70, 3.351, 96.650

Deuteranomaly
70, 5.399, 25.568

Tritanomaly
70, 3.864, 296.079

Monochromacy



Original Color
70, 3.364, 122.881

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, 3.364, 122.881 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(170, 172, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 166)  
}
```

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(170, 172, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.364, 122.881 is called "border". The border property can be set on classes, ids or directly on the HTML element.

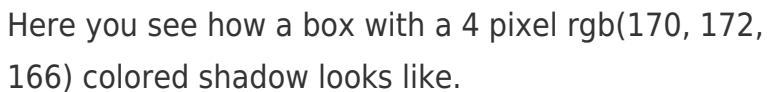
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 172, 166) }
```

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

```
.border{ border-color:rgb(170, 172, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 172, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.364, 122.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 166) }
```

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

```
.background{ background-color: rgb(170,  
172, 166) }
```

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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