

Converting Colors

CIELCh(70, 12.932, 37.962)

Have a look what the booklet for
CIELCh(70, 12.932, 37.962) contains.

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Color

CIELCh(70, 12.905, 37.500)

Conversions

Conversions Part 1

Format	Color
Hex	C3A49D
RGB	195, 164, 157
RGB Percent	76%, 64%, 62%
CMY	0.2340, 0.3556, 0.3831
CMYK	0.00, 0.16, 0.19, 0.23
HSL	11°, 24%, 69%
HSV	11°, 19%, 77%
XYZ	42.0297, 40.7494, 37.6838
YIQ	172.4710, 20.7230, 4.3950

Conversions

Conversions Part 2

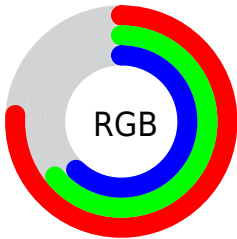
Format	Color
R_{YB}	195, 166, 157
Decimal	12821661
CIE _{Lab}	70.00, 10.24, 7.86
CIE _{LCh}	70, 12.905, 37.500
Yxy	40.7494, 0.3489, 0.3383
Android (android.graphics.Color)	4291011741 (0xFFC3A49D)
YUV	172.4710, -7.6272, 19.7579
Hunter-Lab	63.8353, 5.8143, 9.6841

Details

The CIELCh color **70, 12.905, 37.500** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **74, 11.347, 218.261**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 12.840, 36.510**, and **50, 12.975, 36.256** is the 20% darker color. If you saturate the color by 10%, you get **66, 20.366, 37.646**, and if you desaturate by 10%, it is **75, 6.020, 37.478**.

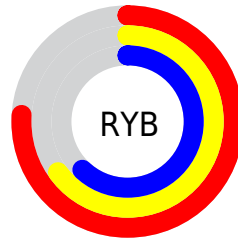
Distribution



Red (76%)

Green (64%)

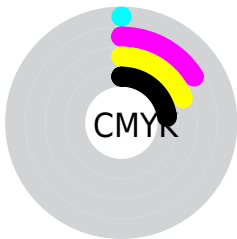
Blue (62%)



Red (76%)

Yellow (65%)

Blue (62%)

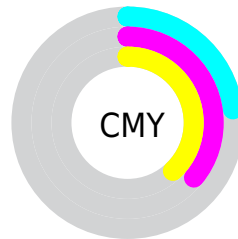


Cyan (0%)

Magenta (16%)

Yellow (19%)

Black (23%)



Cyan (23%)

Magenta (36%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 12.905, 37.500 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, 12.905, 37.500 by changing the saturation by 10% instead.

70, 12.905, 37.500

70, 12.905, 37.500

100, 12.905,
37.500

60, 12.905, 37.500

90, 12.905, 37.500

50, 12.905, 37.500

40, 12.905, 37.500

30, 12.905, 37.500

20, 12.905, 37.500

10, 12.905, 37.500

0, 12.905, 37.500

70, 12.905, 37.500

70, 12.905, 37.500

66, 20.366, 37.646

75, 6.020, 37.478

61, 28.433, 37.947

79, 0.330, 219.313

57, 37.101, 38.461

84, 6.198, 217.967

53, 46.311, 39.221

89, 11.638,
218.176

50, 55.906, 40.230

93, 16.699,
218.451

47, 65.534, 41.396

45, 74.410, 42.395

96, 19.518,
198.218

43, 81.443, 42.889

43, 81.815, 42.951

Harmonies

Complementary

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



70, 12.905, 37.500



74, 11.347, 218.261

Rectangle

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



70, 12.905, 37.500



70, 12.905, 87.500



70, 12.905, 217.500



70, 12.905, 267.500

Sweetspot

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



70, 12.904, 37.510



97, 4.675, 37.457



69, 22.095, 331.145



51, 3.109, 37.464



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 12.904, 37.510



87, 19.244, 37.547



75, 14.753, 89.998



39, 3.582, 37.478



35, 70.394, 43.234



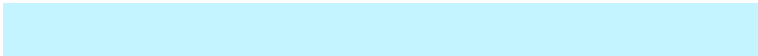
4, 12.517, 30.754

Inverse Universe

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



74, 11.347, 218.261



93, 16.442, 218.432



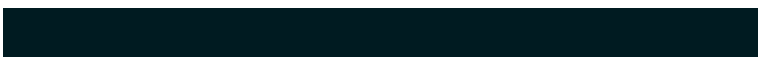
69, 14.748, 275.159



40, 3.378, 217.963



50, 30.896, 231.714



8, 10.458, 224.385

Previews

White Background



This preview shows how the CIELCh color 70, 12.905, 37.500 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, 12.905, 37.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

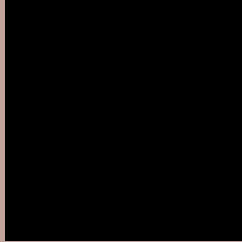
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 12.905, 37.500

Background



This preview shows how black text looks on a background with the CIELCh color 70, 12.905, 37.500.



This preview shows how white text looks on a background with the CIELCh color 70, 12.905, 37.500.

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, 12.905, 37.500

Protanopia

70, 5.911, 86.485

Deuteranopia

70, 11.945, 41.571



Tritanopia
70, 14.892, 354.781

Trichromacy



Original Color
70, 12.905, 37.500

Protanomaly
70, 7.638, 59.586

Deuteranomaly
70, 12.325, 40.911

Tritanomaly
70, 13.061, 8.585

Monochromacy



Original Color
70, 12.905, 37.500

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 4.515, 40.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 12.905, 37.500 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(195, 164, 157)` looks like.

```
.text, #text, p{  
    color:rgb(195, 164, 157)  
}
```

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(195, 164, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 164, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 12.905, 37.500 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(195, 164, 157) }
```

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

```
.border{ border-color:rgb(195, 164, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 164, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 164, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 164, 157);  
box-shadow:4px 4px 4px 4px rgb(195, 164,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 12.905, 37.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 164, 157) }
```

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

```
.background{ background-color: rgb(195,  
164, 157) }
```

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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