

Converting Colors

CIELCh(70, 37.390, 83.292)

Have a look what the booklet for
CIELCh(70, 37.390, 83.292) contains.

CIELCh(70, 37.390, 83.292)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 37.390, 83.292)

Conversions

Conversions Part 1

Format	Color
Hex	C8A667
RGB	200, 166, 103
RGB Percent	78%, 65%, 40%
CMY	0.2140, 0.3474, 0.5945
CMYK	0.00, 0.17, 0.48, 0.21
HSL	39°, 47%, 60%
HSV	39°, 48%, 79%
XYZ	40.1163, 40.7494, 18.6854
YIQ	168.9840, 40.4870, -12.3850

Conversions

Conversions Part 2

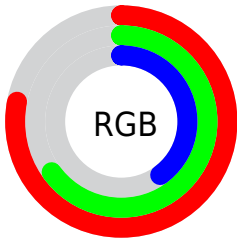
Format	Color
RYB	155, 200, 103
Decimal	13149799
CIELab	70.00, 4.37, 37.13
CIELCh	70, 37.390, 83.292
Yxy	40.7494, 0.4030, 0.4093
Android (android.graphics.Color)	4291339879 (0xFFC8A667)
YUV	168.9840, -32.5301, 27.2010
Hunter-Lab	63.8353, 0.4639, 27.3297

Details

The CIELCh color **70, 37.390, 83.292** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57, 36.765, 278.513**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 36.859, 85.400**, and **50, 37.368, 82.927** is the 20% darker color. If you saturate the color by 10%, you get **68, 45.299, 81.842**, and if you desaturate by 10%, it is **72, 29.427, 84.698**.

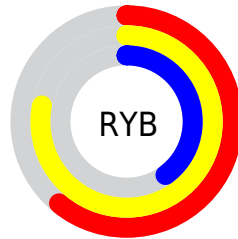
Distribution



Red (78%)

Green (65%)

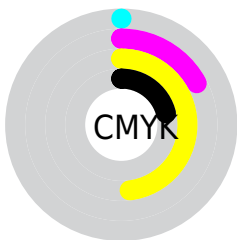
Blue (40%)



Red (61%)

Yellow (78%)

Blue (40%)

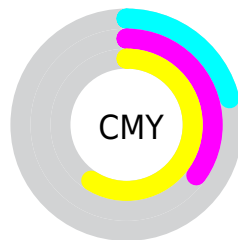


Cyan (0%)

Magenta (17%)

Yellow (48%)

Black (21%)



Cyan (21%)

Magenta (35%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 37.390, 83.292 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, 37.390, 83.292 by changing the saturation by 10% instead.

 70, 37.390, 83.292

 70, 37.390, 83.292

 100, 37.390,
83.292

 60, 37.390, 83.292

 90, 37.390, 83.292

 50, 37.390, 83.292

 40, 37.390, 83.292

 30, 37.390, 83.292

 20, 37.390, 83.292

 10, 37.390, 83.292

 0, 37.390, 83.292

 70, 37.390, 83.292

 70, 37.390, 83.292

 68, 45.299, 81.842

 72, 29.427, 84.698

66, 52.896, 80.304

74, 21.543, 86.058

64, 59.721, 78.613

77, 13.802, 87.376

62, 65.063, 76.633

79, 6.231, 88.636

60, 68.339, 74.214

81, 1.167, 270.131

60, 68.814, 73.832

83, 8.396, 271.133

86, 15.466,
272.257

88, 18.190,
268.008

90, 16.044,
254.530

Harmonies

Complementary

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



70, 37.390, 83.292



57, 36.765, 278.513

Rectangle

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



70, 37.390, 83.292



70, 37.390, 133.292



70, 37.390, 263.292



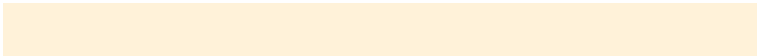
70, 37.390, 313.292

Sweetspot

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



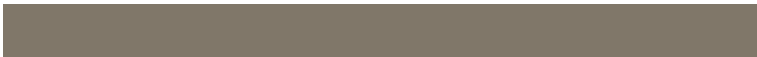
70, 37.390, 83.296



96, 13.613, 87.787



56, 42.529, 357.538



51, 9.312, 87.513



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, 37.390, 83.296



85, 54.683, 81.782



78, 50.238, 111.777



41, 4.176, 88.519



50, 59.077, 74.321



9, 13.772, 76.605

Inverse Universe

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



57, 36.765, 278.513



66, 54.001, 281.401



49, 56.984, 300.661



39, 4.167, 270.985



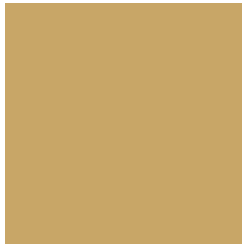
28, 67.452, 295.249



4, 16.397, 280.127

Previews

White Background



This preview shows how the CIELCh color 70, 37.390, 83.292 looks on a white background.

Color Contrast Check

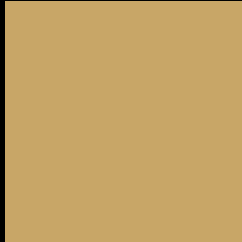
Large Text (above 18pt) WCAG AA × Fail

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, 37.390, 83.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

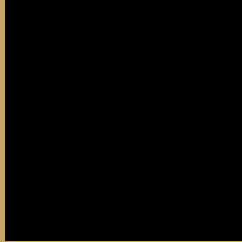
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 37.390, 83.292

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.390, 83.292.



This preview shows how white text looks on a background with the CIELCh color 70, 37.390, 83.292.

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, 37.390, 83.292

Protanopia

70, 36.167, 95.563

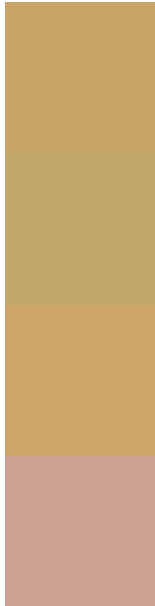
Deuteranopia

70, 37.965, 77.141



Tritanopia
70, 20.033, 2.383

Trichromacy



Original Color
70, 37.390, 83.292

Protanomaly
70, 36.501, 90.739

Deuteranomaly
70, 37.705, 79.177

Tritanomaly
70, 19.887, 44.856

Monochromacy



Original Color
70, 37.390, 83.292

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 13.458, 87.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.390, 83.292 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(200, 166, 103)` looks like.

```
.text, #text, p{  
    color:rgb(200, 166, 103)  
}
```

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(200, 166, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 166, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.390, 83.292 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(200, 166, 103) }
```

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

```
.border{ border-color:rgb(200, 166, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 166, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 166, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 166, 103);  
box-shadow:4px 4px 4px 4px rgb(200, 166,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.390, 83.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 166, 103) }
```

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

```
.background{ background-color: rgb(200,  
166, 103) }
```

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