

Converting Colors

CIELCh(70, 39.859, 84.017)

Have a look what the booklet for
CIELCh(70, 39.859, 84.017) contains.

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Color

CIELCh(70, 39.523, 83.593)

Conversions

Conversions Part 1

Format	Color
Hex	C9A663
RGB	201, 166, 99
RGB Percent	79%, 65%, 39%
CMY	0.2105, 0.3478, 0.6106
CMYK	0.00, 0.17, 0.51, 0.21
HSL	39°, 49%, 59%
HSV	39°, 51%, 79%
XYZ	40.1301, 40.7494, 17.6257
YIQ	168.8270, 42.3670, -13.4170

Conversions

Conversions Part 2

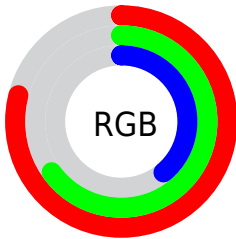
Format	Color
RYB	152, 201, 99
Decimal	13215331
CIELab	70.00, 4.41, 39.28
CIElCh	70, 39.523, 83.593
Yxy	40.7494, 0.4074, 0.4137
Android (android.graphics.Color)	4291405411 (0xFFC9A663)
YUV	168.8270, -34.4247, 28.2157
Hunter-Lab	63.8353, 0.5023, 28.3140

Details

The CIELCh color **70, 39.523, 83.593** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **56, 39.088, 279.681**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 38.765, 86.257**, and **50, 39.499, 83.064** is the 20% darker color. If you saturate the color by 10%, you get **68, 47.419, 82.132**, and if you desaturate by 10%, it is **72, 31.511, 85.006**.

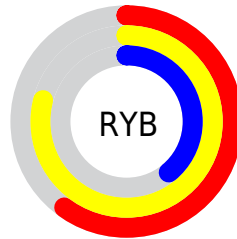
Distribution



Red (79%)

Green (65%)

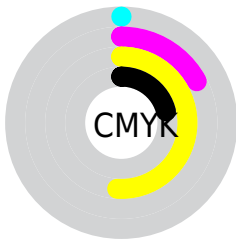
Blue (39%)



Red (60%)

Yellow (79%)

Blue (39%)

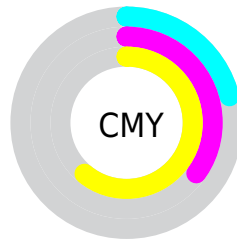


Cyan (0%)

Magenta (17%)

Yellow (51%)

Black (21%)



Cyan (21%)

Magenta (35%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 39.523, 83.593 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, 39.523, 83.593 by changing the saturation by 10% instead.

70, 39.523, 83.593

70, 39.523, 83.593

100, 39.523,
83.593

60, 39.523, 83.593

90, 39.523, 83.593

50, 39.523, 83.593

40, 39.523, 83.593

30, 39.523, 83.593

20, 39.523, 83.593

10, 39.523, 83.593

0, 39.523, 83.593

70, 39.523, 83.593

70, 39.523, 83.593

68, 47.419, 82.132

72, 31.511, 85.006

66, 54.897, 80.573

74, 23.544, 86.373

64, 61.436, 78.842

76, 15.701, 87.697

62, 66.277, 76.789

79, 8.015, 88.971

61, 69.044, 74.525

81, 0.499, 89.747

83, 6.851, 271.480

86, 14.044,
272.607

88, 18.495,
270.571

90, 16.190,
257.845

Harmonies

Complementary

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



70, 39.523, 83.593



56, 39.088, 279.681

Rectangle

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



70, 39.523, 83.593



70, 39.523, 133.593



70, 39.523, 263.593



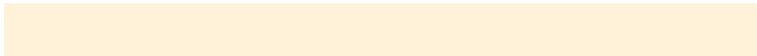
70, 39.523, 313.593

Sweetspot

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



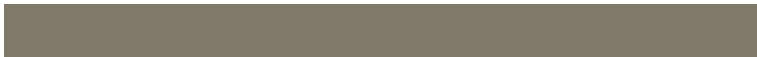
70, 39.523, 83.597



96, 13.708, 88.402



55, 44.370, 359.153



51, 9.376, 88.129



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, 39.523, 83.597



84, 57.736, 81.956



78, 52.662, 112.389



41, 4.206, 89.132



50, 59.087, 75.013



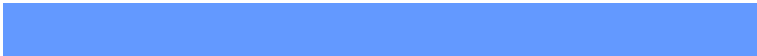
9, 13.853, 77.502

Inverse Universe

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



56, 39.088, 279.681



64, 57.573, 282.878



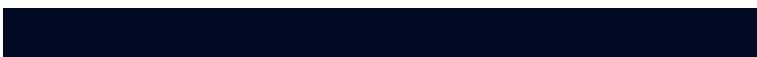
48, 60.106, 301.442



39, 4.201, 271.589



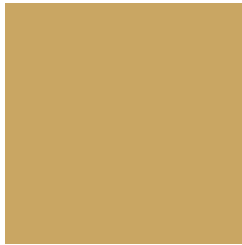
28, 68.273, 295.687



4, 16.508, 280.484

Previews

White Background



This preview shows how the CIELCh color 70, 39.523, 83.593 looks on a white background.

Color Contrast Check

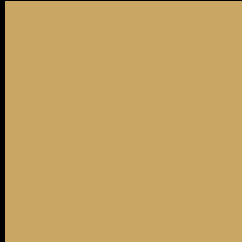
Large Text (above 18pt) WCAG AA × Fail

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, 39.523, 83.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

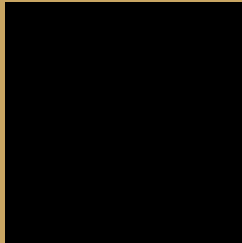
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 39.523, 83.593

Background



This preview shows how black text looks on a background with the CIELCh color 70, 39.523, 83.593.



This preview shows how white text looks on a background with the CIELCh color 70, 39.523, 83.593.

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, 39.523, 83.593

Protanopia

70, 38.286, 95.247

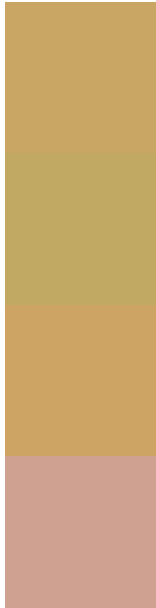
Deuteranopia

70, 39.896, 76.904



Tritanopia
70, 20.406, 2.791

Trichromacy



Original Color
70, 39.523, 83.593

Protanomaly
70, 38.634, 90.666

Deuteranomaly
70, 39.622, 78.843

Tritanomaly
70, 20.829, 46.964

Monochromacy



Original Color
70, 39.523, 83.593

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 14.120, 87.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 39.523, 83.593 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(201, 166, 99)` looks like.

```
.text, #text, p{  
    color:rgb(201, 166, 99)  
}
```

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(201, 166, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 166, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 39.523, 83.593 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(201, 166, 99) }
```

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

```
.border{ border-color:rgb(201, 166, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 166, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 166, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 166, 99);  
box-shadow:4px 4px 4px 4px rgb(201, 166,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 39.523, 83.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 166, 99) }
```

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

```
.background{ background-color: rgb(201,  
166, 99) }
```

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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