

Converting Colors

CIELCh(71, 38.793, 83.080)

Have a look what the booklet for
CIELCh(71, 38.793, 83.080) contains.

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Color

CIELCh(71, 38.916, 83.476)

Conversions

Conversions Part 1

Format	Color
Hex	CCA967
RGB	204, 169, 103
RGB Percent	80%, 66%, 40%
CMY	0.2000, 0.3373, 0.5961
CMYK	0.00, 0.17, 0.50, 0.20
HSL	39°, 50%, 60%
HSV	39°, 50%, 80%
XYZ	41.5331, 42.1875, 18.7835
YIQ	171.9410, 42.0460, -13.1060

Conversions

Conversions Part 2

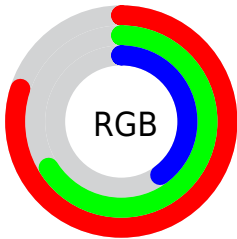
Format	Color
RYB	157, 204, 103
Decimal	13412711
CIELab	71.00, 4.42, 38.66
CIELCh	71, 38.916, 83.476
Yxy	42.1875, 0.4052, 0.4116
Android (android.graphics.Color)	4291602791 (0xFFCCA967)
YUV	171.9410, -33.9879, 28.1157
Hunter-Lab	64.9519, 0.4750, 28.3202

Details

The CIELCh color **71, 38.916, 83.476** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57, 38.384, 279.129**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 37.737, 87.834**, and **51, 38.898, 83.053** is the 20% darker color. If you saturate the color by 10%, you get **69, 46.921, 82.019**, and if you desaturate by 10%, it is **73, 30.826, 84.887**.

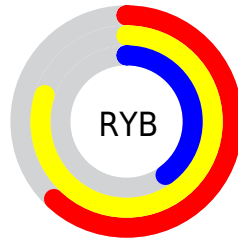
Distribution



Red (80%)

Green (66%)

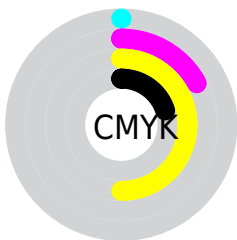
Blue (40%)



Red (62%)

Yellow (80%)

Blue (40%)

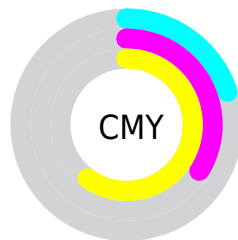


Cyan (0%)

Magenta (17%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (34%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 38.916, 83.476 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 71, 38.916, 83.476 by changing the saturation by 10% instead.

 71, 38.916, 83.476

 71, 38.916, 83.476

 100, 38.916,
83.476

 61, 38.916, 83.476

 91, 38.916, 83.476

 51, 38.916, 83.476

 41, 38.916, 83.476

 31, 38.916, 83.476

 21, 38.916, 83.476

 11, 38.916, 83.476

 1, 38.916, 83.476

 0, 38.916, 83.476

 71, 38.916, 83.476

 71, 38.916, 83.476

69, 46.921, 82.019

73, 30.826, 84.887

67, 54.555, 80.470

75, 22.798, 86.251

65, 61.321, 78.757

78, 14.906, 87.574

63, 66.471, 76.738

80, 7.179, 88.842

61, 69.578, 74.301

82, 0.374, 270.799

61, 69.724, 74.183

85, 7.758, 271.346

87, 14.981,
272.473

89, 16.716,
266.299

91, 14.740,
251.270

Harmonies

Complementary

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



71, 38.916, 83.476



57, 38.384, 279.129

Rectangle

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



71, 38.916, 83.476



71, 38.916, 133.476



71, 38.916, 263.476



71, 38.916, 313.476

Sweetspot

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



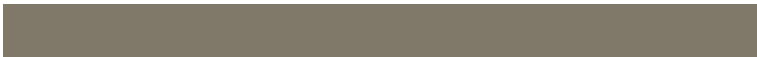
71, 38.916, 83.480



96, 13.666, 88.129



56, 43.841, 358.933



51, 9.347, 87.856



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 38.916, 83.480



84, 55.756, 81.980



79, 52.098, 112.459



42, 4.281, 88.856



51, 59.760, 74.665



10, 15.237, 77.147

Inverse Universe

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



57, 38.384, 279.129



65, 55.311, 282.015



49, 59.234, 301.283



40, 4.274, 271.324



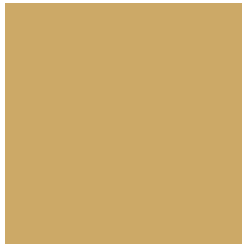
29, 68.777, 295.540



4, 17.970, 281.406

Previews

White Background



This preview shows how the CIELCh color 71, 38.916, 83.476 looks on a white background.

Color Contrast Check

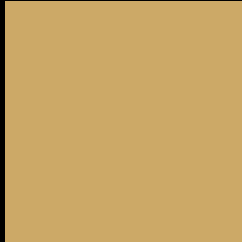
Large Text (above 18pt) WCAG AA × Fail

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 71, 38.916, 83.476 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 71, 38.916, 83.476

Background



This preview shows how black text looks on a background with the CIELCh color 71, 38.916, 83.476.



This preview shows how white text looks on a background with the CIELCh color 71, 38.916, 83.476.

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

71, 38.916, 83.476

Protanopia

71, 37.591, 95.891

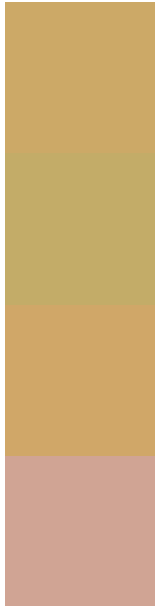
Deuteranopia

71, 39.288, 76.710



Tritanopia
71, 19.966, 2.342

Trichromacy



Original Color
71, 38.916, 83.476

Protanomaly
71, 37.899, 91.250

Deuteranomaly
71, 38.791, 79.229

Tritanomaly
71, 20.077, 46.189

Monochromacy



Original Color
71, 38.916, 83.476

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 14.072, 87.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 38.916, 83.476 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(204, 169, 103)` looks like.

```
.text, #text, p{  
    color:rgb(204, 169, 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(204, 169, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 169, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 38.916, 83.476 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(204, 169, 103) }
```

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

```
.border{ border-color:rgb(204, 169, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 169, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 169, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 169, 103);  
box-shadow:4px 4px 4px 4px rgb(204, 169,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 38.916, 83.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 169, 103) }
```

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

```
.background{ background-color: rgb(204,  
169, 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](#).

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