

Converting Colors

CIELCh(70, 38.825, 87.798)

Have a look what the booklet for
CIELCh(70, 38.825, 87.798) contains.

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Color

CIELCh(70, 38.740, 88.019)

Conversions

Conversions Part 1

Format	Color
Hex	C4A864
RGB	196, 168, 100
RGB Percent	77%, 66%, 39%
CMY	0.2307, 0.3405, 0.6072
CMYK	0.00, 0.14, 0.49, 0.23
HSL	42°, 45%, 58%
HSV	42°, 49%, 77%
XYZ	39.1524, 40.7494, 17.8984
YIQ	168.6200, 38.5160, -15.2120

Conversions

Conversions Part 2

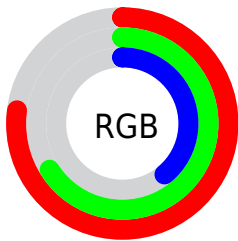
Format	Color
RYB	140, 196, 100
Decimal	12888164
CIELab	70.00, 1.34, 38.72
CIELCh	70, 38.740, 88.019
Yxy	40.7494, 0.4003, 0.4167
Android (android.graphics.Color)	4291078244 (0xFFC4A864)
YUV	168.6200, -33.8297, 24.0123
Hunter-Lab	63.8353, -2.2315, 28.0607

Details

The CIELCh color **70, 38.740, 88.019** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **54, 39.580, 282.914**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 38.729, 88.184**, and **50, 38.617, 87.915** is the 20% darker color. If you saturate the color by 10%, you get **68, 46.569, 86.623**, and if you desaturate by 10%, it is **72, 30.733, 89.380**.

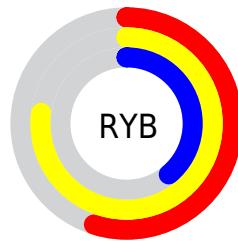
Distribution



Red (77%)

Green (66%)

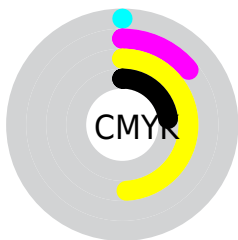
Blue (39%)



Red (55%)

Yellow (77%)

Blue (39%)

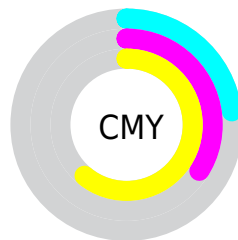


Cyan (0%)

Magenta (14%)

Yellow (49%)

Black (23%)



Cyan (23%)

Magenta (34%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 38.740, 88.019 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, 38.740, 88.019 by changing the saturation by 10% instead.

70, 38.740, 88.019

70, 38.740, 88.019

100, 38.740,
88.019

60, 38.740, 88.019

90, 38.740, 88.019

50, 38.740, 88.019

40, 38.740, 88.019

30, 38.740, 88.019

20, 38.740, 88.019

10, 38.740, 88.019

0, 38.740, 88.019

70, 38.740, 88.019

70, 38.740, 88.019

68, 46.569, 86.623

72, 30.733, 89.380

67, 53.930, 85.157

74, 22.709, 90.699

65, 60.339, 83.576

76, 14.752, 91.979

63, 65.105, 81.778

77, 6.904, 93.207

62, 67.820, 79.671

79, 0.818, 274.695

62, 68.084, 79.449

81, 8.409, 275.616

84, 15.873,
276.707

86, 22.159,
276.895

87, 19.784,
268.980

Harmonies

Complementary

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



70, 38.740, 88.019



54, 39.580, 282.914

Rectangle

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



70, 38.740, 88.019



70, 38.740, 138.019



70, 38.740, 268.019



70, 38.740, 318.019

Sweetspot

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



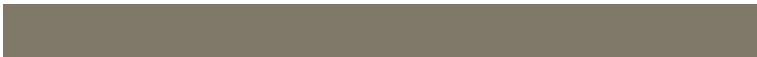
70, 38.741, 88.023



96, 14.407, 92.442



55, 41.419, 2.419



51, 9.847, 92.176



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, 38.741, 88.023



86, 57.641, 86.483



76, 50.253, 114.742



40, 4.334, 93.158



51, 58.759, 79.847



9, 13.039, 83.649

Inverse Universe

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



54, 39.580, 282.914



63, 59.852, 285.858



48, 56.701, 302.586



38, 4.352, 275.528



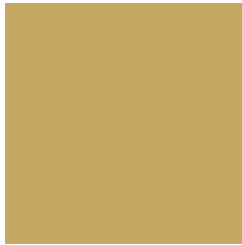
26, 72.964, 298.398



3, 15.599, 281.651

Previews

White Background



This preview shows how the CIELCh color 70, 38.740, 88.019 looks on a white background.

Color Contrast Check

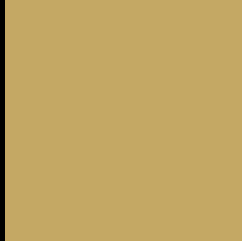
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 70, 38.740, 88.019 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, 38.740, 88.019

Background



This preview shows how black text looks on a background with the CIELCh color 70, 38.740, 88.019.



This preview shows how white text looks on a background with the CIELCh color 70, 38.740, 88.019.

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, 38.740, 88.019

Protanopia

70, 38.196, 95.886

Deuteranopia

70, 39.428, 76.612



Tritanopia
70, 17.780, 359.597

Trichromacy



Original Color
70, 38.740, 88.019

Protanomaly
70, 38.119, 93.213

Deuteranomaly
70, 38.921, 80.558

Tritanomaly
70, 18.178, 50.915

Monochromacy



Original Color
70, 38.740, 88.019

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 14.219, 92.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 38.740, 88.019 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(196, 168, 100)` looks like.

```
.text, #text, p{  
    color:rgb(196, 168, 100)  
}
```

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(196, 168, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 168, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 38.740, 88.019 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(196, 168, 100) }
```

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

```
.border{ border-color:rgb(196, 168, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 168, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 168, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 168, 100);  
box-shadow:4px 4px 4px 4px rgb(196, 168,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 38.740, 88.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 168, 100) }
```

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

```
.background{ background-color: rgb(196,  
168, 100) }
```

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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