

Converting Colors

CIELCh(70, 36.969, 83.431)

Have a look what the booklet for
CIELCh(70, 36.969, 83.431) contains.

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Color

CIELCh(70, 37.162, 83.935)

Conversions

Conversions Part 1

Format	Color
Hex	C8A768
RGB	200, 167, 104
RGB Percent	78%, 65%, 41%
CMY	0.2170, 0.3463, 0.5933
CMYK	0.00, 0.17, 0.48, 0.22
HSL	39°, 46%, 59%
HSV	39°, 48%, 78%
XYZ	39.9749, 40.7494, 18.7764
YIQ	169.6850, 39.8910, -12.5970

Conversions

Conversions Part 2

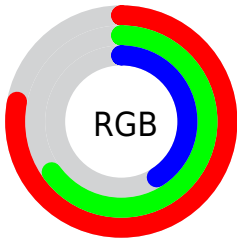
Format	Color
RYB	154, 200, 104
Decimal	13150056
CIELab	70.00, 3.93, 36.95
CIELCh	70, 37.162, 83.935
Yxy	40.7494, 0.4018, 0.4095
Android (android.graphics.Color)	4291340136 (0xFFC8A768)
YUV	169.6850, -32.3827, 26.5863
Hunter-Lab	63.8353, 0.0685, 27.2453

Details

The CIELCh color **70, 37.162, 83.935** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57, 36.714, 278.959**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 36.666, 86.006**, and **50, 37.121, 83.652** is the 20% darker color. If you saturate the color by 10%, you get **68, 45.058, 82.492**, and if you desaturate by 10%, it is **72, 29.206, 85.336**.

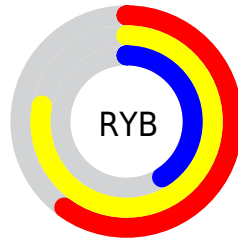
Distribution



Red (78%)

Green (65%)

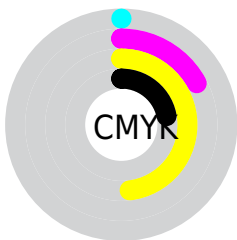
Blue (41%)



Red (60%)

Yellow (78%)

Blue (41%)

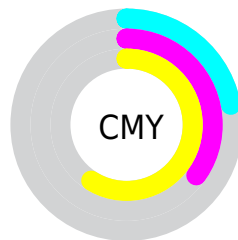


Cyan (0%)

Magenta (17%)

Yellow (48%)

Black (22%)



Cyan (22%)

Magenta (35%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 37.162, 83.935 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, 37.162, 83.935 by changing the saturation by 10% instead.

70, 37.162, 83.935

70, 37.162, 83.935

100, 37.162,
83.935

60, 37.162, 83.935

90, 37.162, 83.935

50, 37.162, 83.935

40, 37.162, 83.935

30, 37.162, 83.935

20, 37.162, 83.935

10, 37.162, 83.935

0, 37.162, 83.935

70, 37.162, 83.935

70, 37.162, 83.935

68, 45.058, 82.492

72, 29.206, 85.336

66, 52.637, 80.964

74, 21.321, 86.691

64, 59.448, 79.290

76, 13.571, 88.003

62, 64.791, 77.342

79, 5.984, 89.257

61, 68.050, 74.966

81, 1.435, 270.704

60, 68.618, 74.502

83, 8.690, 271.742

86, 15.792,
272.862

88, 18.673,
269.041

89, 16.480,
256.385

Harmonies

Complementary

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



70, 37.162, 83.935



57, 36.714, 278.959

Rectangle

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



70, 37.162, 83.935



70, 37.162, 133.935



70, 37.162, 263.935



70, 37.162, 313.935

Sweetspot

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



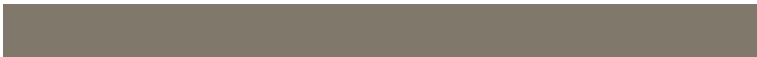
70, 37.162, 83.939



96, 12.774, 88.496



56, 41.851, 358.645



51, 8.841, 88.218



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, 37.162, 83.939



85, 54.900, 82.376



78, 49.820, 112.556



41, 4.204, 89.097



50, 59.086, 74.973



9, 13.849, 77.451

Inverse Universe

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



57, 36.714, 278.959



66, 54.550, 281.928



49, 56.357, 301.072



39, 4.199, 271.554



28, 68.226, 295.662



4, 16.501, 280.464

Previews

White Background



This preview shows how the CIELCh color 70, 37.162, 83.935 looks on a white background.

Color Contrast Check

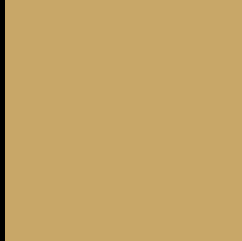
Large Text (above 18pt) WCAG AA × Fail

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, 37.162, 83.935 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, 37.162, 83.935

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.162, 83.935.



This preview shows how white text looks on a background with the CIELCh color 70, 37.162, 83.935.

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, 37.162, 83.935

Protanopia

70, 36.167, 95.563

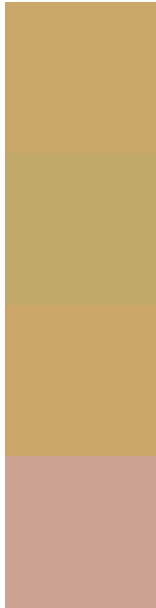
Deuteranopia

70, 37.965, 77.141



Tritanopia
70, 19.268, 1.512

Trichromacy



Original Color
70, 37.162, 83.935

Protanomaly
70, 35.997, 90.587

Deuteranomaly
70, 37.485, 79.759

Tritanomaly
70, 19.095, 45.836

Monochromacy



Original Color
70, 37.162, 83.935

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, 37.162, 83.935 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, 167, 104)` looks like.

```
.text, #text, p{  
    color:rgb(200, 167, 104)  
}
```

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, 167, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 167, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.162, 83.935 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, 167, 104) }
```

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

```
.border{ border-color:rgb(200, 167, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 167, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 167, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 167, 104);  
box-shadow:4px 4px 4px 4px rgb(200, 167,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.162, 83.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 167, 104) }
```

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

```
.background{ background-color: rgb(200,  
167, 104) }
```

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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