

Converting Colors

CIELCh(71, 33.543, 89.076)

Have a look what the booklet for
CIELCh(71, 33.543, 89.076) contains.

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Color

CIELCh(71, 33.509, 89.116)

Conversions

Conversions Part 1

Format	Color
Hex	C4AC71
RGB	196, 172, 113
RGB Percent	77%, 67%, 44%
CMY	0.2332, 0.3272, 0.5585
CMYK	0.00, 0.12, 0.42, 0.23
HSL	43°, 41%, 60%
HSV	43°, 42%, 77%
XYZ	40.2640, 42.1875, 21.5175
YIQ	172.4500, 33.2430, -13.2610

Conversions

Conversions Part 2

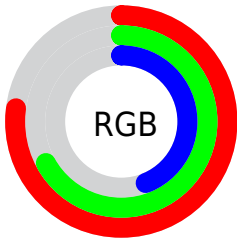
Format	Color
RYB	147, 196, 113
Decimal	12889201
CIELab	71.00, 0.52, 33.51
CIELCh	71, 33.509, 89.116
Yxy	42.1875, 0.3873, 0.4058
Android (android.graphics.Color)	4291079281 (0xFFC4AC71)
YUV	172.4500, -29.3088, 20.6534
Hunter-Lab	64.9519, -3.0128, 25.8245

Details

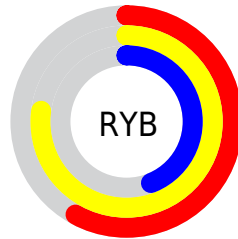
The CIELCh color **71, 33.509, 89.116** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57, 34.072, 281.549**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 33.223, 88.711**, and **51, 33.475, 88.888** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.465, 87.753**, and if you desaturate by 10%, it is **73, 25.488, 90.450**.

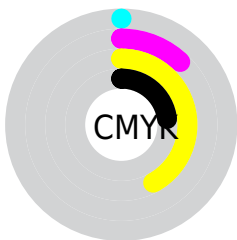
Distribution



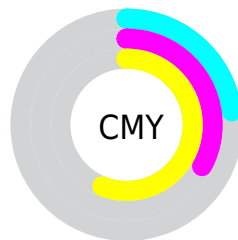
- Red (77%)
- Green (67%)
- Blue (44%)



- Red (58%)
- Yellow (77%)
- Blue (44%)



- Cyan (0%)
- Magenta (12%)
- Yellow (42%)
- Black (23%)



- Cyan (23%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 33.509, 89.116 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, 33.509, 89.116 by changing the saturation by 10% instead.

■ 71, 33.509, 89.116

■ 71, 33.509, 89.116

■ 100, 33.509,
89.116

■ 61, 33.509, 89.116

■ 91, 33.509, 89.116

■ 51, 33.509, 89.116

■ 41, 33.509, 89.116

■ 31, 33.509, 89.116

■ 21, 33.509, 89.116

■ 11, 33.509, 89.116

■ 1, 33.509, 89.116

■ 0, 33.509, 89.116

■ 71, 33.509, 89.116

■ 71, 33.509, 89.116

69, 41.465, 87.753

73, 25.488, 90.450

68, 49.154, 86.338

75, 17.507, 91.741

66, 56.227, 84.846

77, 9.621, 92.988

64, 62.125, 83.212

79, 1.855, 94.111

63, 66.123, 81.320

80, 5.784, 275.427

62, 67.950, 79.709

83, 13.295,
276.525

85, 20.684,
277.586

86, 21.005,
272.689

88, 18.891,
263.998

Harmonies

Complementary

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



71, 33.509, 89.116



57, 34.072, 281.549

Rectangle

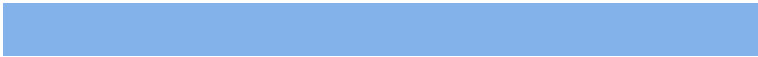
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 33.509, 89.116



71, 33.509, 139.116



71, 33.509, 269.116



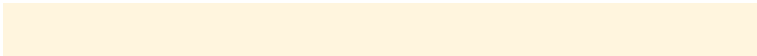
71, 33.509, 319.116

Sweetspot

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



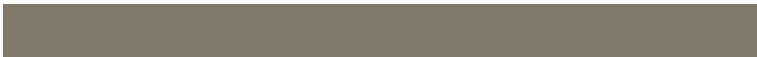
71, 33.510, 89.120



97, 12.498, 92.892



57, 35.751, 1.193



51, 8.762, 92.617



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, 33.510, 89.120



88, 50.048, 87.839



76, 43.833, 115.134



40, 4.346, 93.357



51, 58.791, 80.097



9, 13.077, 83.955

Inverse Universe

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



57, 34.072, 281.549



68, 51.395, 283.818



52, 48.481, 301.811



38, 4.365, 275.722



25, 73.250, 298.530



3, 15.632, 281.760

Previews

White Background



This preview shows how the CIELCh color 71, 33.509, 89.116 looks on a white background.

Color Contrast Check

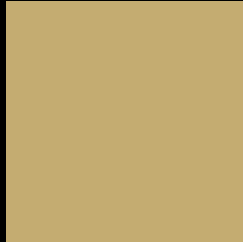
Large Text (above 18pt) WCAG AA × Fail

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, 33.509, 89.116 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, 33.509, 89.116

Background



This preview shows how black text looks on a background with the CIELCh color 71, 33.509, 89.116.



This preview shows how white text looks on a background with the CIELCh color 71, 33.509, 89.116.

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, 33.509, 89.116

Protanopia

71, 33.423, 95.858

Deuteranopia

71, 34.134, 74.414



Tritanopia
71, 15.911, 356.740

Trichromacy



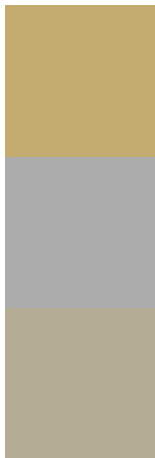
Original Color
71, 33.509, 89.116

Protanomaly
71, 33.234, 93.558

Deuteranomaly
71, 33.830, 79.882

Tritanomaly
71, 15.357, 49.856

Monochromacy



Original Color
71, 33.509, 89.116

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 12.488, 92.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 33.509, 89.116 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, 172, 113)` looks like.

```
.text, #text, p{  
    color:rgb(196, 172, 113)  
}
```

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, 172, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 172, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 33.509, 89.116 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, 172, 113) }
```

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

```
.border{ border-color:rgb(196, 172, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 172, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 172, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 172, 113);  
box-shadow:4px 4px 4px 4px rgb(196, 172,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 33.509, 89.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 172, 113) }
```

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

```
.background{ background-color: rgb(196,  
172, 113) }
```

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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