

Converting Colors

CIELCh(71, 49.623, 85.712)

Have a look what the booklet for
CIELCh(71, 49.623, 85.712) contains.

CIELCh(71, 49.857, 85.525)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(71, 49.857, 85.525)

Conversions

Conversions Part 1

Format	Color
Hex	CFA951
RGB	207, 169, 81
RGB Percent	81%, 66%, 32%
CMY	0.1886, 0.3376, 0.6827
CMYK	0.00, 0.18, 0.61, 0.19
HSL	42°, 57%, 56%
HSV	42°, 61%, 81%
XYZ	41.3588, 42.1875, 13.7312
YIQ	170.3300, 50.8960, -19.3120

Conversions

Conversions Part 2

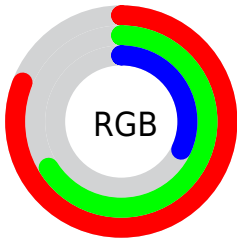
Format	Color
RYB	135, 207, 81
Decimal	13609297
CIELab	71.00, 3.89, 49.71
CIELCh	71, 49.857, 85.525
Yxy	42.1875, 0.4252, 0.4337
Android (android.graphics.Color)	4291799377 (0xFFCFA951)
YUV	170.3300, -44.0397, 32.1596
Hunter-Lab	64.9519, -0.0041, 32.9321

Details

The CIELCh color **71, 49.857, 85.525** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **51, 51.484, 285.552**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 48.243, 90.895**, and **51, 49.778, 85.640** is the 20% darker color. If you saturate the color by 10%, you get **69, 57.393, 84.020**, and if you desaturate by 10%, it is **73, 41.766, 86.958**.

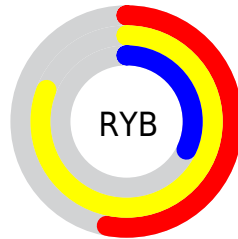
Distribution



Red (81%)

Green (66%)

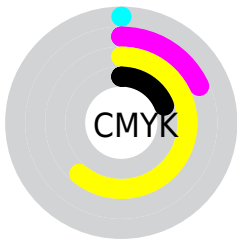
Blue (32%)



Red (53%)

Yellow (81%)

Blue (32%)

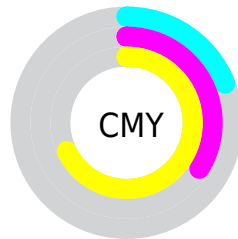


Cyan (0%)

Magenta (18%)

Yellow (61%)

Black (19%)



Cyan (19%)

Magenta (34%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 49.857, 85.525 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, 49.857, 85.525 by changing the saturation by 10% instead.

 71, 49.857, 85.525

 71, 49.857, 85.525

 100, 49.857,
85.525

 61, 49.857, 85.525

 91, 49.857, 85.525

 51, 49.857, 85.525

 41, 49.857, 85.525

 31, 49.857, 85.525

 21, 49.857, 85.525

 11, 49.857, 85.525

 1, 49.857, 85.525

 0, 49.857, 85.525

 71, 49.857, 85.525

 71, 49.857, 85.525

69, 57.393, 84.020

73, 41.766, 86.958

68, 63.818, 82.369

75, 33.459, 88.338

66, 68.370, 80.453

77, 25.123, 89.679

64, 70.719, 78.425

79, 16.856, 90.980

81, 8.708, 92.233

83, 0.697, 93.157

85, 7.170, 274.684

87, 14.899,
275.791

89, 16.550,
270.180

Harmonies

Complementary

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



71, 49.857, 85.525



51, 51.484, 285.552

Rectangle

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



71, 49.857, 85.525



71, 49.857, 135.525



71, 49.857, 265.525



71, 49.857, 315.525

Sweetspot

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



71, 49.857, 85.528



96, 17.169, 91.320



52, 53.438, 3.950



50, 11.961, 90.945



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, 49.857, 85.528



83, 69.614, 83.545



79, 63.527, 113.373



43, 4.569, 92.412



53, 60.689, 78.834



11, 17.222, 82.051

Inverse Universe

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



51, 51.484, 285.552



55, 74.391, 289.657



43, 74.872, 303.712



41, 4.583, 274.820



27, 74.707, 298.039



4, 20.305, 284.504

Previews

White Background



This preview shows how the CIELCh color 71, 49.857, 85.525 looks on a white background.

Color Contrast Check

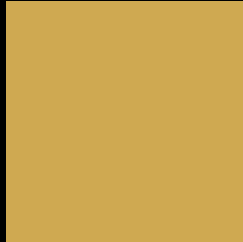
Large Text (above 18pt) WCAG AA × Fail

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, 49.857, 85.525 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, 49.857, 85.525

Background



This preview shows how black text looks on a background with the CIELCh color 71, 49.857, 85.525.



This preview shows how white text looks on a background with the CIELCh color 71, 49.857, 85.525.

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, 49.857, 85.525

Protanopia

71, 48.619, 95.406

Deuteranopia

71, 50.324, 79.739



Tritanopia

71, 22.262, 4.632

Trichromacy



Original Color
71, 49.857, 85.525

Protanomaly
71, 48.931, 91.723

Deuteranomaly
71, 49.886, 81.752

Tritanomaly
71, 24.437, 54.158

Monochromacy



Original Color
71, 49.857, 85.525

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 18.220, 91.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 49.857, 85.525 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(207, 169, 81)` looks like.

```
.text, #text, p{  
    color:rgb(207, 169, 81)  
}
```

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(207, 169, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 169, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 49.857, 85.525 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(207, 169, 81) }
```

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

```
.border{ border-color:rgb(207, 169, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 169, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 169, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 169, 81);  
box-shadow:4px 4px 4px 4px rgb(207, 169,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 49.857, 85.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 169, 81) }
```

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

```
.background{ background-color: rgb(207,  
169, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor