

Converting Colors

CIELCh(72, 50.857, 89.612)

Have a look what the booklet for
CIELCh(72, 50.857, 89.612) contains.

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Color

CIELCh(72, 50.889, 89.575)

Conversions

Conversions Part 1

Format	Color
Hex	CDAE51
RGB	205, 174, 81
RGB Percent	80%, 68%, 32%
CMY	0.1975, 0.3189, 0.6836
CMYK	0.00, 0.15, 0.61, 0.20
HSL	45°, 55%, 56%
HSV	45°, 61%, 80%
XYZ	41.6206, 43.6590, 13.9548
YIQ	172.6670, 48.3290, -22.3510

Conversions

Conversions Part 2

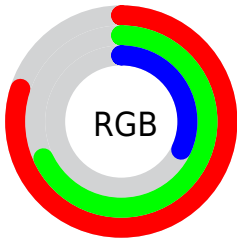
Format	Color
RYB	122, 205, 81
Decimal	13479505
CIELab	72.00, 0.38, 50.89
CIELCh	72, 50.889, 89.575
Yxy	43.6590, 0.4194, 0.4400
Android (android.graphics.Color)	4291669585 (0xFFCDAE51)
YUV	172.6670, -45.1918, 28.3560
Hunter-Lab	66.0750, -3.1941, 33.7306

Details

The CIELCh color **72, 50.889, 89.575** 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 **49, 54.569, 288.682**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 49.885, 93.769**, and **52, 51.083, 89.497** is the 20% darker color. If you saturate the color by 10%, you get **71, 58.336, 88.182**, and if you desaturate by 10%, it is **74, 42.777, 90.925**.

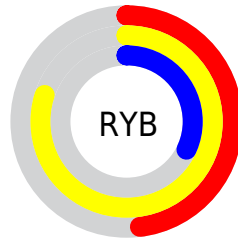
Distribution



Red (80%)

Green (68%)

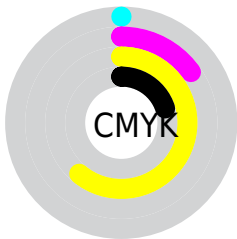
Blue (32%)



Red (48%)

Yellow (80%)

Blue (32%)

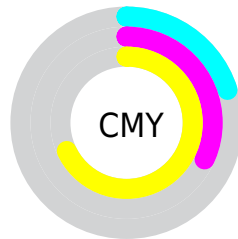


Cyan (0%)

Magenta (15%)

Yellow (61%)

Black (20%)



Cyan (20%)

Magenta (32%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 50.889, 89.575 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 72, 50.889, 89.575 by changing the saturation by 10% instead.

 72, 50.889, 89.575

 72, 50.889, 89.575

 100, 50.889,
89.575

 62, 50.889, 89.575

 92, 50.889, 89.575

 52, 50.889, 89.575

 42, 50.889, 89.575

 32, 50.889, 89.575

 22, 50.889, 89.575

 12, 50.889, 89.575

 2, 50.889, 89.575

 0, 50.889, 89.575

 72, 50.889, 89.575

 72, 50.889, 89.575

71, 58.336, 88.182

74, 42.777, 90.925

69, 64.563, 86.696

75, 34.351, 92.239

68, 68.855, 85.039

77, 25.818, 93.523

66, 70.990, 83.275

79, 17.291, 94.773

80, 8.831, 95.980

82, 0.467, 96.772

84, 7.787, 278.334

86, 15.929,
279.405

88, 18.987,
276.588

Harmonies

Complementary

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



72, 50.889, 89.575



49, 54.569, 288.682

Rectangle

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



72, 50.889, 89.575



72, 50.889, 139.575



72, 50.889, 269.575



72, 50.889, 319.575

Sweetspot

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



72, 50.889, 89.578



96, 18.062, 95.060



52, 52.403, 8.982



51, 12.572, 94.699



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 50.889, 89.578



86, 71.531, 87.695



78, 63.362, 116.411



42, 4.721, 96.119



55, 60.768, 83.615



11, 16.622, 87.448

Inverse Universe

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



49, 54.569, 288.682



53, 80.261, 292.693



44, 73.688, 305.291



40, 4.758, 278.429



25, 79.294, 300.366



3, 19.531, 285.313

Previews

White Background



This preview shows how the CIELCh color 72, 50.889, 89.575 looks on a white background.

Color Contrast Check

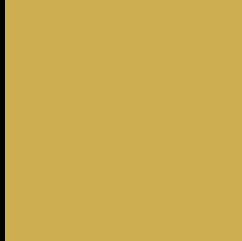
Large Text (above 18pt) WCAG AA × Fail

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 72, 50.889, 89.575 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 72, 50.889, 89.575

Background



This preview shows how black text looks on a background with the CIELCh color 72, 50.889, 89.575.

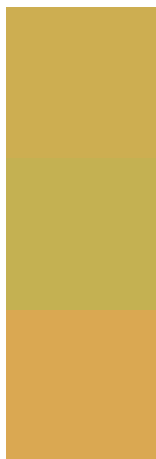


This preview shows how white text looks on a background with the CIELCh color 72, 50.889, 89.575.

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

72, 50.889, 89.575

Protanopia

72, 50.397, 95.650

Deuteranopia

72, 51.345, 79.718



Tritanopia
72, 20.432, 1.263

Trichromacy



Original Color
72, 50.889, 89.575

Protanomaly
72, 50.334, 93.600

Deuteranomaly
72, 50.724, 83.232

Tritanomaly
72, 22.927, 58.055

Monochromacy



Original Color
72, 50.889, 89.575

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 18.987, 94.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 50.889, 89.575 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(205, 174, 81)` looks like.

```
.text, #text, p{  
    color:rgb(205, 174, 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(205, 174, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 174, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 50.889, 89.575 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(205, 174, 81) }
```

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

```
.border{ border-color:rgb(205, 174, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 174, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 174, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 174, 81);  
box-shadow:4px 4px 4px 4px rgb(205, 174,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 50.889, 89.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 174, 81) }
```

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

```
.background{ background-color: rgb(205,  
174, 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](#).

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