

Converting Colors

CIELCh(71, 97.901, 89.896)

Have a look what the booklet for
CIELCh(71, 97.901, 89.896) contains.

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Color

CIELCh(71, 74.078, 88.555)

Conversions

Conversions Part 1

Format	Color
Hex	D1AA00
RGB	209, 170, 0
RGB Percent	82%, 67%, 0%
CMY	0.1786, 0.3352, 1.0000
CMYK	0.00, 0.19, 1.00, 0.18
HSL	49°, 100%, 41%
HSV	49°, 100%, 82%
XYZ	40.7002, 42.1875, 5.9618
YIQ	162.2810, 77.8140, -44.6020

Conversions

Conversions Part 2

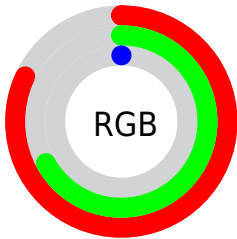
Format	Color
R _Y B	48, 209, 0
Decimal	13740544
CIE Lab	71.00, 1.87, 74.05
CIE LCh	71, 74.078, 88.555
Yxy	42.1875, 0.4581, 0.4748
Android (android.graphics.Color)	4291930624 (0xFFD1AA00)
YUV	162.2810, -80.0045, 40.9726
Hunter-Lab	64.9519, -1.8141, 40.0242

Details

The CIELCh color **71, 74.078, 88.555** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **30, 102.618, 302.947**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 72.359, 94.015**, and **51, 57.123, 87.473** is the 20% darker color. If you saturate the color by 10%, you get **71, 73.929, 88.545**, and if you desaturate by 10%, it is **72, 71.871, 89.984**.

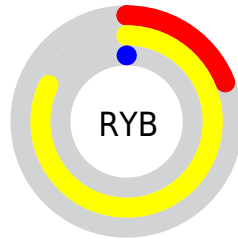
Distribution



Red (82%)

Green (67%)

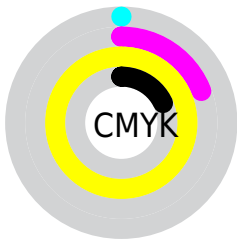
Blue (0%)



Red (19%)

Yellow (82%)

Blue (0%)

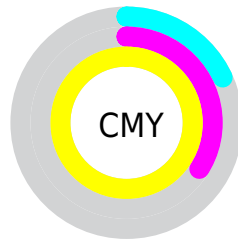


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 74.078, 88.555 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, 74.078, 88.555 by changing the saturation by 10% instead.

■ 71, 74.078, 88.555

■ 71, 74.078, 88.555

■ 100, 74.078,
88.555

■ 61, 74.078, 88.555

■ 91, 74.078, 88.555

■ 51, 74.078, 88.555

■ 41, 74.078, 88.555

■ 31, 74.078, 88.555

■ 21, 74.078, 88.555

■ 11, 74.078, 88.555

■ 1, 74.078, 88.555

■ 0, 74.078, 88.555

■ 71, 74.078, 88.555

■ 71, 74.078, 88.555

71, 73.929, 88.545

72, 71.871, 89.984

73, 67.624, 91.317

74, 61.335, 92.585

76, 53.685, 93.827

77, 45.236, 95.059

78, 36.362, 96.280

80, 27.294, 97.487

81, 18.165, 98.671

82, 9.049, 99.820

Harmonies

Complementary

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



71, 74.078, 88.555



30, 102.618, 302.947

Rectangle

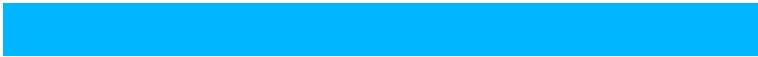
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 74.078, 88.555



71, 74.078, 138.555



71, 74.078, 268.555



71, 74.078, 318.555

Sweetspot

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



71, 73.929, 88.545



95, 32.020, 97.447



44, 80.469, 29.952



50, 21.845, 96.934



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, 73.929, 88.545



85, 85.669, 88.357



77, 88.184, 120.000



43, 5.126, 99.887



58, 62.907, 88.794



13, 19.161, 92.389

Inverse Universe

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



30, 102.618, 302.947



37, 120.132, 303.220



29, 112.060, 308.251



41, 5.188, 282.092



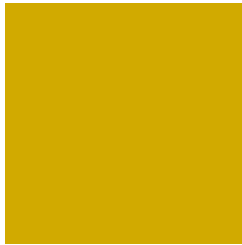
23, 86.089, 302.563



3, 22.214, 288.254

Previews

White Background



This preview shows how the CIELCh color 71, 74.078, 88.555 looks on a white background.

Color Contrast Check

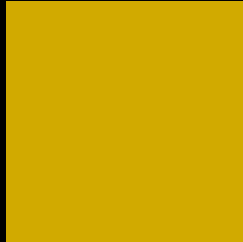
Large Text (above 18pt) WCAG AA × Fail

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 71, 74.078, 88.555 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, 74.078, 88.555

Background



This preview shows how black text looks on a background with the CIELCh color 71, 74.078, 88.555.

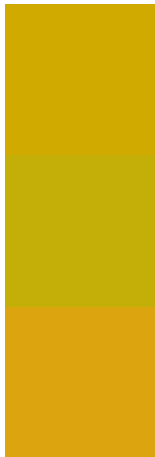


This preview shows how white text looks on a background with the CIELCh color 71, 74.078, 88.555.

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, 73.952, 88.896

Protanopia

71, 72.691, 95.420

Deuteranopia

71, 73.096, 82.860



Tritanopia

71, 24.189, 6.247

Trichromacy



Original Color
71, 73.952, 88.896

Protanomaly
71, 72.965, 92.858

Deuteranomaly
71, 73.321, 85.142

Tritanomaly
70, 37.950, 69.642

Monochromacy



Original Color
71, 73.952, 88.896

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 34.141, 96.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 74.078, 88.555 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(209, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 170, 0)  
}
```

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(209, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 170, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 74.078, 88.555 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(209, 170, 0) }
```

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

```
.border{ border-color:rgb(209, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 170,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 74.078, 88.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 170, 0) }
```

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

```
.background{ background-color: rgb(209,  
170, 0) }
```

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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