

Converting Colors

CIELCh(72, 70.901, 85.272)

Have a look what the booklet for
CIELCh(72, 70.901, 85.272) contains.

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Color

CIELCh(72, 70.994, 85.337)

Conversions

Conversions Part 1

Format	Color
Hex	DAAA1C
RGB	218, 170, 28
RGB Percent	85%, 67%, 11%
CMY	0.1457, 0.3339, 0.8910
CMYK	0.00, 0.22, 0.87, 0.15
HSL	45°, 77%, 48%
HSV	45°, 87%, 85%
XYZ	43.4198, 43.6590, 7.2238
YIQ	168.1640, 74.1900, -33.9860

Conversions

Conversions Part 2

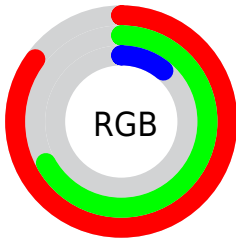
Format	Color
RYB	92, 218, 28
Decimal	14330396
CIELab	72.00, 5.77, 70.76
CIELCh	72, 70.994, 85.337
Yxy	43.6590, 0.4604, 0.4630
Android (android.graphics.Color)	4292520476 (0xFFDAAA1C)
YUV	168.1640, -69.1009, 43.7062
Hunter-Lab	66.0750, 1.6662, 39.7705

Details

The CIELCh color **72, 70.994, 85.337** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **39, 85.599, 296.958**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 67.682, 93.754**, and **52, 58.619, 83.399** is the 20% darker color. If you saturate the color by 10%, you get **71, 73.763, 83.476**, and if you desaturate by 10%, it is **73, 65.772, 86.952**.

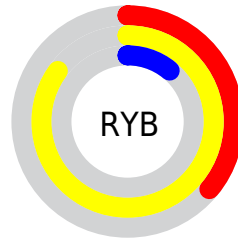
Distribution



Red (85%)

Green (67%)

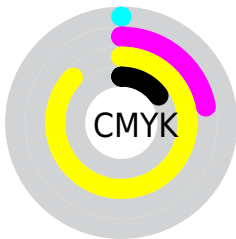
Blue (11%)



Red (36%)

Yellow (85%)

Blue (11%)

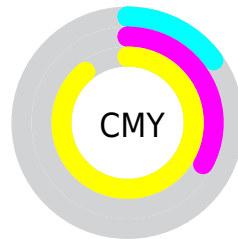


Cyan (0%)

Magenta (22%)

Yellow (87%)

Black (15%)



Cyan (15%)

Magenta (33%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 70.994, 85.337 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, 70.994, 85.337 by changing the saturation by 10% instead.

72, 70.994, 85.337

72, 70.994, 85.337

100, 70.994,
85.337

62, 70.994, 85.337

92, 70.994, 85.337

52, 70.994, 85.337

42, 70.994, 85.337

32, 70.994, 85.337

22, 70.994, 85.337

12, 70.994, 85.337

2, 70.994, 85.337

0, 70.994, 85.337

72, 70.994, 85.337

72, 70.994, 85.337

71, 73.763, 83.476

73, 65.772, 86.952

70, 74.317, 82.942

75, 58.748, 88.418

77, 50.647, 89.807

78, 41.985, 91.152

80, 33.079, 92.465

82, 24.110, 93.747

84, 15.177, 94.992

86, 6.329, 96.186

88, 2.409, 277.469

Harmonies

Complementary

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



72, 70.994, 85.337



39, 85.599, 296.958

Rectangle

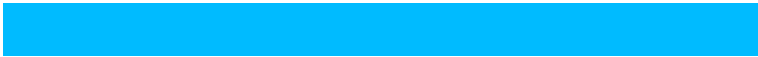
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 70.994, 85.337



72, 70.994, 135.337



72, 70.994, 265.337



72, 70.994, 315.337

Sweetspot

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



72, 70.993, 85.340



94, 26.136, 93.875



47, 73.609, 17.901



50, 17.745, 93.432



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, 70.993, 85.340



81, 83.646, 82.735



81, 85.285, 115.691



45, 4.998, 95.931



57, 62.760, 83.299



14, 20.762, 86.510

Inverse Universe

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



39, 85.599, 296.958



39, 112.038, 301.098



32, 108.775, 307.315



43, 5.035, 278.265



26, 81.977, 300.364



4, 24.493, 288.574

Previews

White Background



This preview shows how the CIELCh color 72, 70.994, 85.337 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 72, 70.994, 85.337 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, 70.994, 85.337

Background



This preview shows how black text looks on a background with the CIELCh color 72, 70.994, 85.337.



This preview shows how white text looks on a background with the CIELCh color 72, 70.994, 85.337.

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, 70.994, 85.337

Protanopia

72, 69.762, 95.111

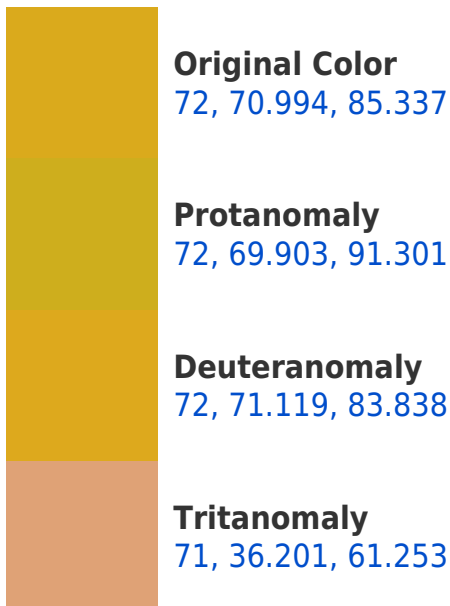
Deuteranopia

72, 71.107, 82.682



Tritanopia
72, 27.264, 8.402

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 70.994, 85.337 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(218, 170, 28)` looks like.

```
.text, #text, p{  
    color:rgb(218, 170, 28)  
}
```

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(218, 170, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 170, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 70.994, 85.337 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(218, 170, 28) }
```

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

```
.border{ border-color:rgb(218, 170, 28) }
```

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

Here you see how a box with a 4 pixel rgb(218, 170, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 170, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 170, 28);  
box-shadow:4px 4px 4px 4px rgb(218, 170,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 70.994, 85.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 170, 28) }
```

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

```
.background{ background-color: rgb(218,  
170, 28) }
```

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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