

Converting Colors

CIELCh(70, 73.419, 86.637)

Have a look what the booklet for
CIELCh(70, 73.419, 86.637) contains.

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Color

CIELCh(70, 73.305, 86.460)

Conversions

Conversions Part 1

Format	Color
Hex	D2A501
RGB	210, 165, 1
RGB Percent	82%, 65%, 0%
CMY	0.1753, 0.3519, 0.9973
CMYK	0.00, 0.21, 1.00, 0.18
HSL	47°, 99%, 41%
HSV	47°, 100%, 82%
XYZ	40.1672, 40.7494, 5.7673
YIQ	159.7590, 79.4640, -41.4640

Conversions

Conversions Part 2

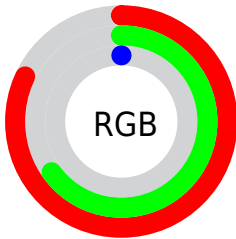
Format	Color
RYB	58, 210, 1
Decimal	13804801
CIELab	70.00, 4.53, 73.17
CIELCh	70, 73.305, 86.460
Yxy	40.7494, 0.4634, 0.4701
Android (android.graphics.Color)	4291994881 (0xFFD2A501)
YUV	159.7590, -78.2682, 44.0614
Hunter-Lab	63.8353, 0.6063, 39.3280

Details

The CIELCh color **70, 73.305, 86.460** 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 **31, 100.016, 302.096**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 70.967, 92.060**, and **50, 56.692, 84.672** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.365, 86.410**, and if you desaturate by 10%, it is **71, 71.126, 88.081**.

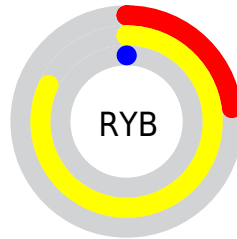
Distribution



Red (82%)

Green (65%)

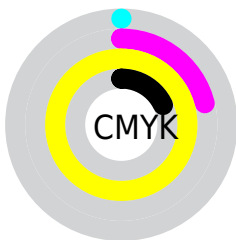
Blue (0%)



Red (23%)

Yellow (82%)

Blue (0%)

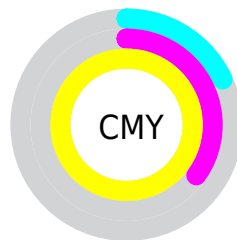


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 73.305, 86.460 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 70, 73.305, 86.460 by changing the saturation by 10% instead.

70, 73.305, 86.460

70, 73.305, 86.460

100, 73.305,
86.460

60, 73.305, 86.460

90, 73.305, 86.460

50, 73.305, 86.460

40, 73.305, 86.460

30, 73.305, 86.460

20, 73.305, 86.460

10, 73.305, 86.460

0, 73.305, 86.460

70, 73.305, 86.460

70, 73.305, 86.460

70, 73.365, 86.410

71, 71.126, 88.081

72, 66.716, 89.543

74, 60.315, 90.900

75, 52.626, 92.207

76, 44.205, 93.488

78, 35.415, 94.749

79, 26.472, 95.988

81, 17.500, 97.200

83, 8.566, 98.371

Harmonies

Complementary

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



70, 73.305, 86.460



31, 100.016, 302.096

Rectangle

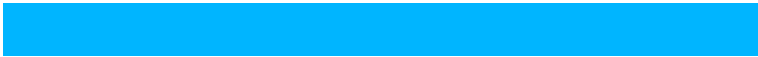
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 73.305, 86.460



70, 73.305, 136.460



70, 73.305, 266.460



70, 73.305, 316.460

Sweetspot

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



70, 73.304, 86.462



94, 31.294, 95.908



44, 79.668, 28.539



50, 21.362, 95.382



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 73.304, 86.462



83, 84.765, 86.198



78, 87.920, 119.154



43, 4.998, 98.402



57, 62.240, 86.704



13, 18.689, 90.343

Inverse Universe

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



31, 100.016, 302.096



38, 117.131, 302.464



28, 112.546, 308.042



41, 5.050, 280.654



24, 83.811, 301.747



3, 21.803, 287.517

Previews

White Background



This preview shows how the CIELCh color 70, 73.305, 86.460 looks on a white background.

Color Contrast Check

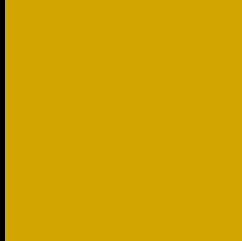
Large Text (above 18pt) WCAG AA × Fail

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 70, 73.305, 86.460 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 70, 73.305, 86.460

Background



This preview shows how black text looks on a background with the CIELCh color 70, 73.305, 86.460.



This preview shows how white text looks on a background with the CIELCh color 70, 73.305, 86.460.

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

70, 73.183, 86.446

Protanopia

70, 71.632, 95.299

Deuteranopia

70, 72.632, 82.614



Tritanopia
70, 26.158, 8.885

Trichromacy



Original Color
70, 73.183, 86.446

Protanomaly
70, 72.016, 92.334

Deuteranomaly
70, 72.877, 83.790

Tritanomaly
70, 39.217, 66.727

Monochromacy



Original Color
70, 73.183, 86.446

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 33.389, 94.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 73.305, 86.460 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(210, 165, 1)` looks like.

```
.text, #text, p{  
    color:rgb(210, 165, 1)  
}
```

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(210, 165, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 165, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 73.305, 86.460 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(210, 165, 1) }
```

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

```
.border{ border-color:rgb(210, 165, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 165, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 165, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 165, 1);  
box-shadow:4px 4px 4px 4px rgb(210, 165,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 73.305, 86.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 165, 1) }
```

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

```
.background{ background-color: rgb(210,  
165, 1) }
```

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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