

Converting Colors

CIELCh(70, 73.843, 83.637)

Have a look what the booklet for
CIELCh(70, 73.843, 83.637) contains.

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Color

CIELCh(70, 73.890, 83.588)

Conversions

Conversions Part 1

Format	Color
Hex	D8A301
RGB	216, 163, 1
RGB Percent	85%, 64%, 0%
CMY	0.1533, 0.3611, 0.9969
CMYK	0.00, 0.25, 1.00, 0.15
HSL	45°, 99%, 42%
HSV	45°, 100%, 85%
XYZ	41.3756, 40.7494, 5.7071
YIQ	160.3790, 83.5900, -39.1460

Conversions

Conversions Part 2

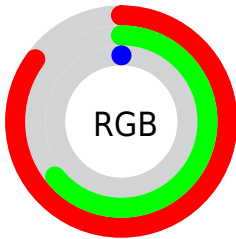
Format	Color
RYB	71, 216, 1
Decimal	14197505
CIELab	70.00, 8.25, 73.43
CIElCh	70, 73.890, 83.588
Yxy	40.7494, 0.4711, 0.4639
Android (android.graphics.Color)	4292387585 (0xFFD8A301)
YUV	160.3790, -78.5738, 48.7796
Hunter-Lab	63.8353, 3.9853, 39.3840

Details

The CIELCh color **70, 73.890, 83.588** 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 **33, 98.344, 300.966**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 70.813, 91.285**, and **50, 57.629, 80.796** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.964, 83.522**, and if you desaturate by 10%, it is **71, 71.568, 85.450**.

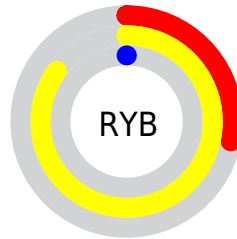
Distribution



Red (85%)

Green (64%)

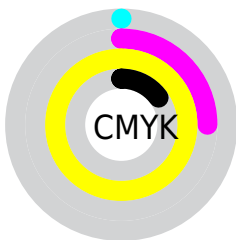
Blue (0%)



Red (28%)

Yellow (85%)

Blue (0%)

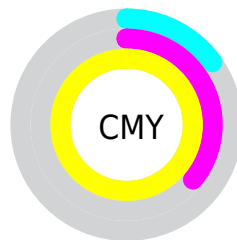


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (36%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 73.890, 83.588 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, 73.890, 83.588 by changing the saturation by 10% instead.

 70, 73.890, 83.588

 70, 73.890, 83.588

 100, 73.890,
83.588

 60, 73.890, 83.588

 90, 73.890, 83.588

 50, 73.890, 83.588

 40, 73.890, 83.588

 30, 73.890, 83.588

 20, 73.890, 83.588

 10, 73.890, 83.588

 0, 73.890, 83.588

 70, 73.890, 83.588

 70, 73.890, 83.588

 70, 73.964, 83.522

 71, 71.568, 85.450

73, 66.948, 87.080

74, 60.344, 88.551

76, 52.499, 89.939

77, 43.983, 91.282

79, 35.151, 92.592

81, 26.214, 93.874

83, 17.286, 95.121

84, 8.428, 96.325

Harmonies

Complementary

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



70, 73.890, 83.588



33, 98.344, 300.966

Rectangle

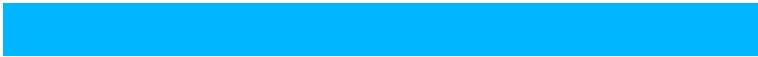
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 73.890, 83.588



70, 73.890, 133.588



70, 73.890, 263.588



70, 73.890, 313.588

Sweetspot

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



70, 73.889, 83.591



94, 30.384, 93.791



45, 79.619, 25.922



49, 20.758, 93.249



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, 73.889, 83.591



81, 83.804, 83.308



80, 88.816, 117.474



44, 4.933, 96.350



56, 62.202, 83.880



13, 19.510, 87.269

Inverse Universe

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



33, 98.344, 300.966



39, 112.901, 301.337



29, 115.387, 307.652



42, 4.972, 278.667



26, 81.642, 300.582



4, 22.955, 287.634

Previews

White Background



This preview shows how the CIELCh color 70, 73.890, 83.588 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 70, 73.890, 83.588 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, 73.890, 83.588

Background



This preview shows how black text looks on a background with the CIELCh color 70, 73.890, 83.588.



This preview shows how white text looks on a background with the CIELCh color 70, 73.890, 83.588.

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, 73.890, 83.588

Protanopia

70, 71.386, 95.298

Deuteranopia

70, 73.583, 83.185



Tritanopia
70, 29.433, 9.695

Trichromacy



Original Color
70, 73.890, 83.588

Protanomaly
70, 71.891, 91.200

Deuteranomaly
70, 73.823, 83.223

Tritanomaly
69, 41.128, 62.374

Monochromacy



Original Color
70, 73.890, 83.588

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 33.232, 92.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 73.890, 83.588 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(216, 163, 1)` looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 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(216, 163, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 73.890, 83.588 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(216, 163, 1) }
```

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

```
.border{ border-color:rgb(216, 163, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 163, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 1);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 73.890, 83.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 1) }
```

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

```
.background{ background-color: rgb(216,  
163, 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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