

Converting Colors

CIELCh(71, 50.392, 82.969)

Have a look what the booklet for
CIELCh(71, 50.392, 82.969) contains.

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Color

CIELCh(71, 50.802, 83.150)

Conversions

Conversions Part 1

Format	Color
Hex	D3A850
RGB	211, 168, 80
RGB Percent	83%, 66%, 31%
CMY	0.1745, 0.3429, 0.6880
CMYK	0.00, 0.20, 0.62, 0.17
HSL	40°, 60%, 57%
HSV	40°, 62%, 83%
XYZ	42.0732, 42.1875, 13.4318
YIQ	170.8250, 53.8760, -18.2520

Conversions

Conversions Part 2

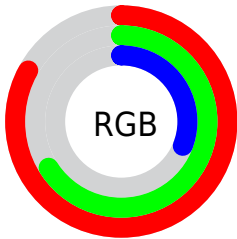
Format	Color
RYB	144, 211, 80
Decimal	13871184
CIELab	71.00, 6.06, 50.44
CIELCh	71, 50.802, 83.150
Yxy	42.1875, 0.4307, 0.4318
Android (android.graphics.Color)	4292061264 (0xFFD3A850)
YUV	170.8250, -44.7767, 35.2335
Hunter-Lab	64.9519, 1.9592, 33.2054

Details

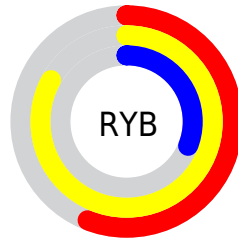
The CIELCh color **71, 50.802, 83.150** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **52, 51.405, 284.141**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 48.401, 90.398**, and **51, 50.690, 83.004** is the 20% darker color. If you saturate the color by 10%, you get **69, 58.392, 81.586**, and if you desaturate by 10%, it is **73, 42.661, 84.623**.

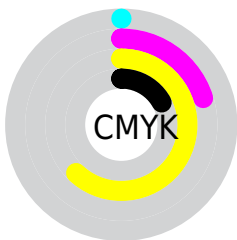
Distribution



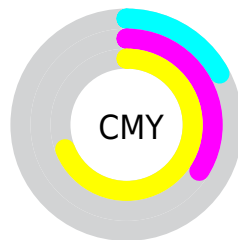
- Red (83%)
- Green (66%)
- Blue (31%)



- Red (56%)
- Yellow (83%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (62%)
- Black (17%)



- Cyan (17%)
- Magenta (34%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 50.802, 83.150 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, 50.802, 83.150 by changing the saturation by 10% instead.

 71, 50.802, 83.150

 71, 50.802, 83.150

 100, 50.802,
83.150

 61, 50.802, 83.150

 91, 50.802, 83.150

 51, 50.802, 83.150

 41, 50.802, 83.150

 31, 50.802, 83.150

 21, 50.802, 83.150

 11, 50.802, 83.150

 1, 50.802, 83.150

 0, 50.802, 83.150

 71, 50.802, 83.150

 71, 50.802, 83.150

69, 58.392, 81.586

73, 42.661, 84.623

67, 64.836, 79.838

75, 34.324, 86.035

65, 69.328, 77.757

77, 25.985, 87.403

64, 71.431, 75.876

79, 17.745, 88.730

82, 9.648, 90.009

84, 1.714, 91.137

86, 6.058, 272.520

89, 13.673,
273.646

91, 14.443,
265.014

Harmonies

Complementary

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



71, 50.802, 83.150



52, 51.405, 284.141

Rectangle

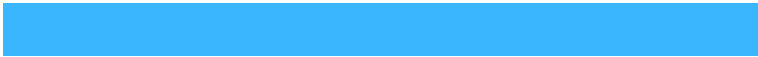
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 50.802, 83.150



71, 50.802, 133.150



71, 50.802, 263.150



71, 50.802, 313.150

Sweetspot

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



71, 50.802, 83.153



95, 17.690, 89.118



53, 55.366, 3.041



50, 12.211, 88.742



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, 50.802, 83.153



82, 70.380, 80.979



81, 65.418, 112.538



43, 4.449, 90.354



52, 60.494, 76.358



11, 16.857, 79.223

Inverse Universe

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



52, 51.405, 284.141



55, 73.579, 288.630



43, 77.703, 303.516



41, 4.451, 272.804



28, 71.738, 296.641



4, 19.806, 283.369

Previews

White Background



This preview shows how the CIELCh color 71, 50.802, 83.150 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 71, 50.802, 83.150 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, 50.802, 83.150

Background



This preview shows how black text looks on a background with the CIELCh color 71, 50.802, 83.150.



This preview shows how white text looks on a background with the CIELCh color 71, 50.802, 83.150.

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, 50.802, 83.150

Protanopia

71, 49.087, 95.445

Deuteranopia

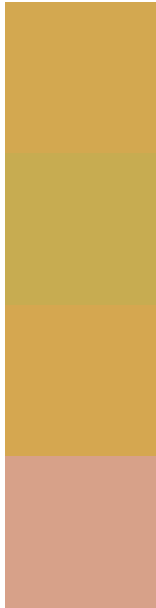
71, 51.215, 80.072



Tritanopia

71, 24.189, 6.247

Trichromacy



Original Color
71, 50.802, 83.150

Protanomaly
71, 49.515, 91.295

Deuteranomaly
71, 50.987, 81.604

Tritanomaly
71, 26.371, 50.316

Monochromacy



Original Color
71, 50.802, 83.150

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 18.650, 87.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 50.802, 83.150 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(211, 168, 80)` looks like.

```
.text, #text, p{  
    color:rgb(211, 168, 80)  
}
```

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(211, 168, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 168, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 50.802, 83.150 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(211, 168, 80) }
```

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

```
.border{ border-color:rgb(211, 168, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 168, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 168, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 168, 80);  
box-shadow:4px 4px 4px 4px rgb(211, 168,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 50.802, 83.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 168, 80) }
```

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

```
.background{ background-color: rgb(211,  
168, 80) }
```

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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