

Converting Colors

CIELCh(71, 48.921, 73.107)

Have a look what the booklet for
CIELCh(71, 48.921, 73.107) contains.

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Color

CIELCh(71, 48.786, 72.745)

Conversions

Conversions Part 1

Format	Color
Hex	DEA258
RGB	222, 162, 88
RGB Percent	87%, 64%, 35%
CMY	0.1285, 0.3639, 0.6541
CMYK	0.00, 0.27, 0.60, 0.13
HSL	33°, 67%, 61%
HSV	33°, 60%, 87%
XYZ	44.9215, 42.1875, 15.0506
YIQ	171.5040, 59.5140, -10.2940

Conversions

Conversions Part 2

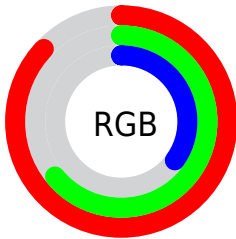
Format	Color
RYB	197, 222, 88
Decimal	14590552
CIELab	71.00, 14.47, 46.59
CIELCh	71, 48.786, 72.745
Yxy	42.1875, 0.4397, 0.4130
Android (android.graphics.Color)	4292780632 (0xFFDEA258)
YUV	171.5040, -41.1675, 44.2850
Hunter-Lab	64.9519, 9.7869, 31.7277

Details

The CIELCh color **71, 48.786, 72.745** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **60, 43.590, 273.592**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 42.870, 85.361**, and **51, 48.696, 72.583** is the 20% darker color. If you saturate the color by 10%, you get **68, 57.288, 71.215**, and if you desaturate by 10%, it is **74, 40.139, 74.181**.

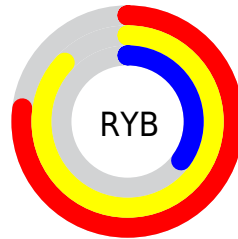
Distribution



Red (87%)

Green (64%)

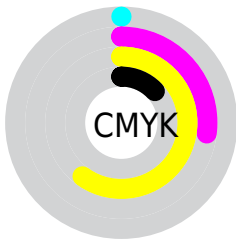
Blue (35%)



Red (77%)

Yellow (87%)

Blue (35%)

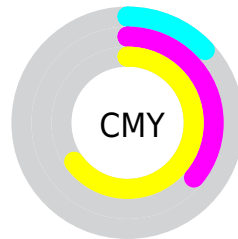


Cyan (0%)

Magenta (27%)

Yellow (60%)

Black (13%)



Cyan (13%)

Magenta (36%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 48.786, 72.745 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, 48.786, 72.745 by changing the saturation by 10% instead.

71, 48.786, 72.745

71, 48.786, 72.745

100, 48.786,
72.745

61, 48.786, 72.745

91, 48.786, 72.745

51, 48.786, 72.745

41, 48.786, 72.745

31, 48.786, 72.745

21, 48.786, 72.745

11, 48.786, 72.745

1, 48.786, 72.745

0, 48.786, 72.745

71, 48.786, 72.745

71, 48.786, 72.745

68, 57.288, 71.215

74, 40.139, 74.181

66, 65.126, 69.465

77, 31.613, 75.563

64, 71.432, 67.271

79, 23.329, 76.913

61, 75.551, 64.585

82, 15.335, 78.233

85, 7.636, 79.507

88, 0.219, 79.200

92, 6.937, 262.089

94, 9.357, 245.711

97, 10.082,
208.302

Harmonies

Complementary

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



71, 48.786, 72.745



60, 43.590, 273.592

Rectangle

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



71, 48.786, 72.745



71, 48.786, 122.745



71, 48.786, 252.745



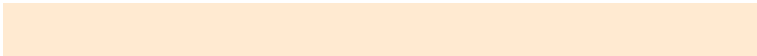
71, 48.786, 302.745

Sweetspot

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



71, 48.786, 72.749



94, 15.129, 78.515



57, 58.273, 354.138



49, 10.573, 78.134



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, 48.786, 72.749



77, 65.602, 70.848



86, 65.949, 107.038



46, 4.230, 79.613



49, 63.329, 65.200



12, 19.772, 66.139

Inverse Universe

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



60, 43.590, 273.592



63, 58.149, 277.942



45, 78.869, 300.718



45, 4.170, 262.168



35, 60.338, 288.617



7, 20.643, 279.501

Previews

White Background



This preview shows how the CIELCh color 71, 48.786, 72.745 looks on a white background.

Color Contrast Check

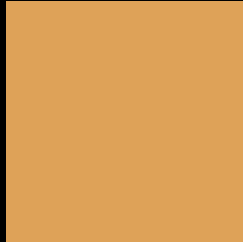
Large Text (above 18pt) WCAG AA × Fail

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, 48.786, 72.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

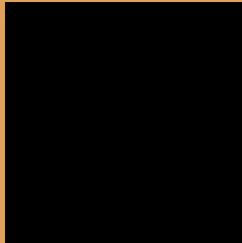
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 48.786, 72.745

Background



This preview shows how black text looks on a background with the CIELCh color 71, 48.786, 72.745.

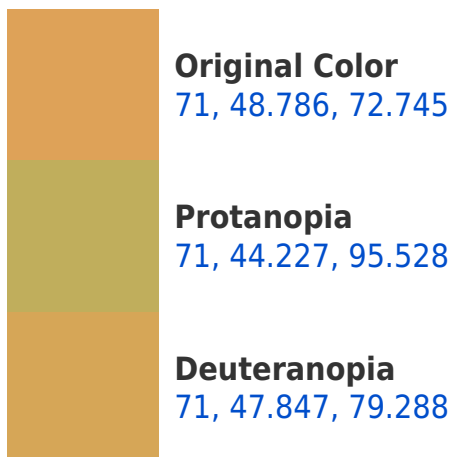


This preview shows how white text looks on a background with the CIELCh color 71, 48.786, 72.745.

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](#).

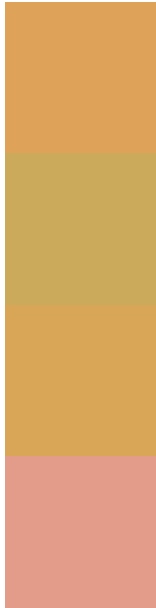
Dichromacy





Tritanopia
71, 30.147, 10.082

Trichromacy



Original Color
71, 48.786, 72.745

Protanomaly
71, 44.789, 86.906

Deuteranomaly
71, 48.365, 77.225

Tritanomaly
71, 31.427, 40.704

Monochromacy



Original Color
71, 48.786, 72.745

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 16.828, 76.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 48.786, 72.745 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(222, 162, 88)` looks like.

```
.text, #text, p{  
    color:rgb(222, 162, 88)  
}
```

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(222, 162, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 162, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 48.786, 72.745 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(222, 162, 88) }
```

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

```
.border{ border-color:rgb(222, 162, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 162, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 162, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 162, 88);  
box-shadow:4px 4px 4px 4px rgb(222, 162,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 48.786, 72.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 162, 88) }
```

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

```
.background{ background-color: rgb(222,  
162, 88) }
```

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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