

Converting Colors

CIELCh(73, 49.015, 78.912)

Have a look what the booklet for
CIELCh(73, 49.015, 78.912) contains.

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Color

CIELCh(73, 48.968, 78.951)

Conversions

Conversions Part 1

Format	Color
Hex	DDAB5A
RGB	221, 171, 90
RGB Percent	87%, 67%, 35%
CMY	0.1339, 0.3299, 0.6475
CMYK	0.00, 0.23, 0.59, 0.13
HSL	37°, 66%, 61%
HSV	37°, 59%, 87%
XYZ	46.1555, 45.1644, 15.9310
YIQ	176.7160, 55.8010, -14.5910

Conversions

Conversions Part 2

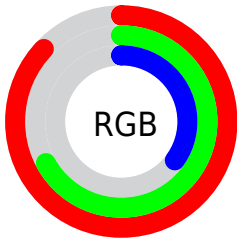
Format	Color
RYB	171, 221, 90
Decimal	14527322
CIELab	73.00, 9.38, 48.06
CIELCh	73, 48.968, 78.951
Yxy	45.1644, 0.4304, 0.4211
Android (android.graphics.Color)	4292717402 (0xFFDDAB5A)
YUV	176.7160, -42.7510, 38.8371
Hunter-Lab	67.2044, 4.9847, 32.9883

Details

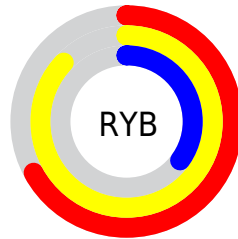
The CIELCh color **73, 48.968, 78.951** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **58, 46.994, 279.200**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 44.607, 91.184**, and **53, 49.226, 78.855** is the 20% darker color. If you saturate the color by 10%, you get **71, 57.202, 77.380**, and if you desaturate by 10%, it is **75, 40.435, 80.433**.

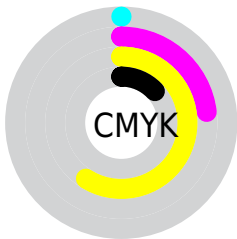
Distribution



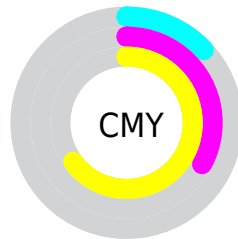
- Red (87%)
- Green (67%)
- Blue (35%)



- Red (67%)
- Yellow (87%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (59%)
- Black (13%)



- Cyan (13%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 48.968, 78.951 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 73, 48.968, 78.951 by changing the saturation by 10% instead.

73, 48.968, 78.951

73, 48.968, 78.951

100, 48.968,
78.951

63, 48.968, 78.951

93, 48.968, 78.951

53, 48.968, 78.951

43, 48.968, 78.951

33, 48.968, 78.951

23, 48.968, 78.951

13, 48.968, 78.951

3, 48.968, 78.951

0, 48.968, 78.951

73, 48.968, 78.951

73, 48.968, 78.951

71, 57.202, 77.380

75, 40.435, 80.433

69, 64.615, 75.621

78, 31.888, 81.855

66, 70.388, 73.505

80, 23.471, 83.234

64, 73.921, 70.871

83, 15.249, 84.572

64, 74.151, 70.689

86, 7.243, 85.856

88, 0.545, 267.704

91, 8.126, 268.408

93, 10.306,
256.077

96, 9.609, 225.249

Harmonies

Complementary

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



73, 48.968, 78.951



58, 46.994, 279.200

Rectangle

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



73, 48.968, 78.951



73, 48.968, 128.951



73, 48.968, 258.951



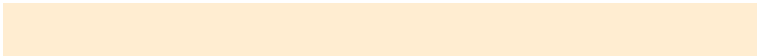
73, 48.968, 308.951

Sweetspot

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



73, 48.968, 78.955



95, 15.951, 84.724



57, 55.852, 358.648



50, 11.130, 84.338



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 48.968, 78.955



80, 65.745, 77.002



85, 64.971, 110.311



45, 4.395, 85.840



51, 61.862, 71.268



12, 18.945, 73.391

Inverse Universe

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



58, 46.994, 279.200



60, 63.757, 283.300



46, 76.899, 301.973



43, 4.370, 268.368



32, 67.271, 293.481



6, 21.401, 282.892

Previews

White Background



This preview shows how the CIELCh color 73, 48.968, 78.951 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 73, 48.968, 78.951 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 73, 48.968, 78.951

Background



This preview shows how black text looks on a background with the CIELCh color 73, 48.968, 78.951.



This preview shows how white text looks on a background with the CIELCh color 73, 48.968, 78.951.

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

73, 48.968, 78.951

Protanopia

73, 46.452, 95.948

Deuteranopia

73, 48.968, 78.951



Tritanopia
73, 26.863, 6.973

Trichromacy



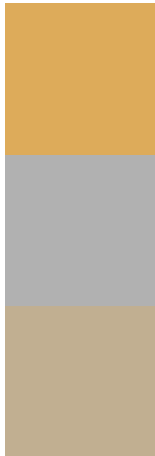
Original Color
73, 48.968, 78.951

Protanomaly
73, 46.793, 89.948

Deuteranomaly
73, 48.968, 78.951

Tritanomaly
73, 27.881, 46.171

Monochromacy



Original Color
73, 48.968, 78.951

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 17.836, 84.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 48.968, 78.951 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(221, 171, 90)` looks like.

```
.text, #text, p{  
    color:rgb(221, 171, 90)  
}
```

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(221, 171, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 171, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 48.968, 78.951 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(221, 171, 90) }
```

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

```
.border{ border-color:rgb(221, 171, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 171, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 171, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 171, 90);  
box-shadow:4px 4px 4px 4px rgb(221, 171,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 48.968, 78.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 171, 90) }
```

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

```
.background{ background-color: rgb(221,  
171, 90) }
```

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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