

Converting Colors

CIELCh(68, 49.324, 72.817)

Have a look what the booklet for
CIELCh(68, 49.324, 72.817) contains.

CIELCh(68, 49.233, 72.431)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 49.233, 72.431)

Conversions

Conversions Part 1

Format	Color
Hex	D69A50
RGB	214, 154, 80
RGB Percent	84%, 60%, 31%
CMY	0.1609, 0.3962, 0.6864
CMYK	0.00, 0.28, 0.63, 0.16
HSL	33°, 62%, 58%
HSV	33°, 63%, 84%
XYZ	40.7203, 37.9720, 12.7673
YIQ	163.5040, 59.5140, -10.2940

Conversions

Conversions Part 2

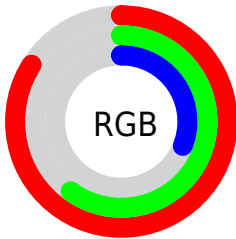
Format	Color
RYB	189, 214, 80
Decimal	14064208
CIELab	68.00, 14.86, 46.94
CIELCh	68, 49.233, 72.431
Yxy	37.9720, 0.4452, 0.4152
Android (android.graphics.Color)	4292254288 (0xFFD69A50)
YUV	163.5040, -41.1675, 44.2850
Hunter-Lab	61.6215, 10.1177, 30.8508

Details

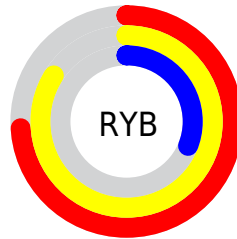
The CIELCh color **68, 49.233, 72.431** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **57, 43.883, 274.320**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 44.408, 80.485**, and **48, 49.305, 72.208** is the 20% darker color. If you saturate the color by 10%, you get **65, 57.391, 70.871**, and if you desaturate by 10%, it is **71, 40.850, 73.880**.

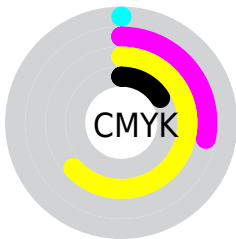
Distribution



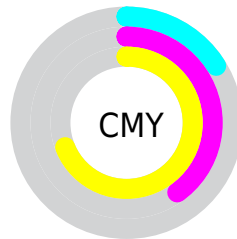
- Red (84%)
- Green (60%)
- Blue (31%)



- Red (74%)
- Yellow (84%)
- Blue (31%)



- Cyan (0%)
- Magenta (28%)
- Yellow (63%)
- Black (16%)



- Cyan (16%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 49.233, 72.431 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 68, 49.233, 72.431 by changing the saturation by 10% instead.

68, 49.233, 72.431

68, 49.233, 72.431

100, 49.233,
72.431

58, 49.233, 72.431

88, 49.233, 72.431

48, 49.233, 72.431

98, 49.233, 72.431

38, 49.233, 72.431

28, 49.233, 72.431

18, 49.233, 72.431

8, 49.233, 72.431

0, 49.233, 72.431

68, 49.233, 72.431

68, 49.233, 72.431

65, 57.391, 70.871

71, 40.850, 73.880

63, 64.756, 69.053

73, 32.542, 75.268

61, 70.426, 66.731

76, 24.452, 76.621

59, 73.405, 64.683

79, 16.635, 77.945

82, 9.104, 79.230

85, 1.851, 80.350

88, 5.145, 261.831

91, 11.906,
262.979

93, 11.469,
240.885

Harmonies

Complementary

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



68, 49.233, 72.431



57, 43.883, 274.320

Rectangle

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



68, 49.233, 72.431



68, 49.233, 122.431



68, 49.233, 252.431



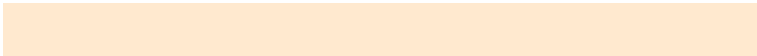
68, 49.233, 302.431

Sweetspot

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



68, 49.233, 72.435



94, 16.002, 78.392



54, 58.304, 354.596



49, 11.075, 78.016



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 49.233, 72.435



76, 68.283, 70.339



83, 65.996, 106.898



44, 4.071, 79.627



48, 61.947, 65.294



10, 17.156, 65.534

Inverse Universe

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



57, 43.883, 274.320



62, 60.598, 279.120



42, 79.650, 301.143



43, 4.014, 262.168



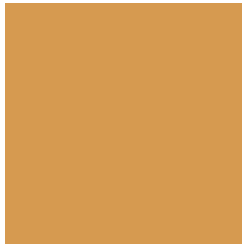
34, 58.910, 288.523



6, 18.496, 277.403

Previews

White Background



This preview shows how the CIELCh color 68, 49.233, 72.431 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 68, 49.233, 72.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

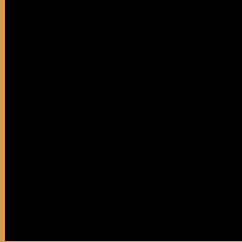
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 49.233, 72.431

Background



This preview shows how black text looks on a background with the CIELCh color 68, 49.233, 72.431.



This preview shows how white text looks on a background with the CIELCh color 68, 49.233, 72.431.

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

68, 49.233, 72.431

Protanopia

68, 44.397, 95.838

Deuteranopia

68, 47.993, 79.425



Tritanopia
68, 30.393, 11.276

Trichromacy



Original Color
68, 49.233, 72.431

Protanomaly
68, 44.935, 87.140

Deuteranomaly
68, 48.517, 77.347

Tritanomaly
68, 32.082, 41.576

Monochromacy



Original Color
68, 49.233, 72.431

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 17.476, 77.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 49.233, 72.431 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(214, 154, 80)` looks like.

```
.text, #text, p{  
    color:rgb(214, 154, 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(214, 154, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 154, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 49.233, 72.431 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(214, 154, 80) }
```

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

```
.border{ border-color:rgb(214, 154, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 154, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 154, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 154, 80);  
box-shadow:4px 4px 4px 4px rgb(214, 154,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 49.233, 72.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 154, 80) }
```

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

```
.background{ background-color: rgb(214,  
154, 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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