

Converting Colors

CIELCh(71, 72.859, 74.924)

Have a look what the booklet for
CIELCh(71, 72.859, 74.924) contains.

CIELCh(71, 72.892, 74.813)	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(71, 72.892, 74.813)

Conversions

Conversions Part 1

Format	Color
Hex	EA9E1D
RGB	234, 158, 29
RGB Percent	92%, 62%, 11%
CMY	0.0811, 0.3793, 0.8847
CMYK	0.00, 0.32, 0.87, 0.08
HSL	38°, 83%, 52%
HSV	38°, 87%, 92%
XYZ	46.5407, 42.1875, 6.8784
YIQ	166.0180, 86.7050, -24.0070

Conversions

Conversions Part 2

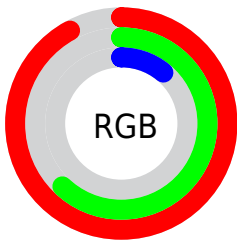
Format	Color
RYB	150, 234, 29
Decimal	15375901
CIELab	71.00, 19.10, 70.35
CIELCh	71, 72.892, 74.813
Yxy	42.1875, 0.4868, 0.4413
Android (android.graphics.Color)	4293565981 (0xFFEA9E1D)
YUV	166.0180, -67.5499, 59.6202
Hunter-Lab	64.9519, 14.2367, 39.1875

Details

The CIELCh color **71, 72.892, 74.813** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **48, 75.730, 290.175**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 64.778, 88.596**, and **51, 61.472, 71.633** is the 20% darker color. If you saturate the color by 10%, you get **69, 76.692, 72.248**, and if you desaturate by 10%, it is **73, 66.600, 76.851**.

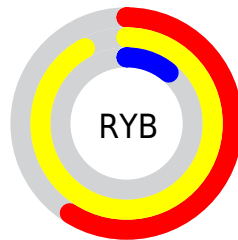
Distribution



Red (92%)

Green (62%)

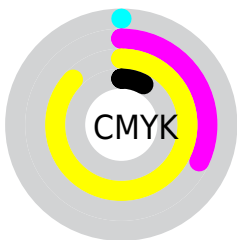
Blue (11%)



Red (59%)

Yellow (92%)

Blue (11%)

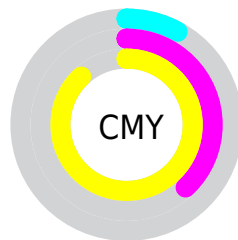


Cyan (0%)

Magenta (32%)

Yellow (87%)

Black (8%)



Cyan (8%)

Magenta (38%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 72.892, 74.813 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, 72.892, 74.813 by changing the saturation by 10% instead.

71, 72.892, 74.813

71, 72.892, 74.813

100, 72.892,
74.813

61, 72.892, 74.813

91, 72.892, 74.813

51, 72.892, 74.813

41, 72.892, 74.813

31, 72.892, 74.813

21, 72.892, 74.813

11, 72.892, 74.813

1, 72.892, 74.813

0, 72.892, 74.813

71, 72.892, 74.813

71, 72.892, 74.813

69, 76.692, 72.248

73, 66.600, 76.851

68, 77.464, 71.561

75, 58.699, 78.573

78, 50.007, 80.131

80, 41.033, 81.603

83, 32.054, 83.021

85, 23.210, 84.397

88, 14.561, 85.730

91, 6.131, 87.001

94, 2.082, 268.449

Harmonies

Complementary

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



71, 72.892, 74.813



48, 75.730, 290.175

Rectangle

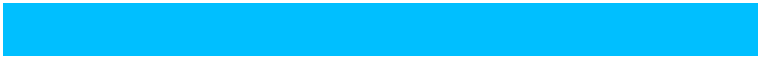
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 72.892, 74.813



71, 72.892, 124.813



71, 72.892, 254.813



71, 72.892, 304.813

Sweetspot

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



71, 72.891, 74.816



92, 23.502, 84.577



51, 76.361, 7.925



48, 16.002, 84.105



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, 72.891, 74.816



74, 82.593, 71.399



88, 88.489, 109.617



48, 4.692, 86.753



54, 63.828, 72.138



15, 22.886, 74.687

Inverse Universe

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



48, 75.730, 290.175



46, 93.873, 295.126



33, 117.010, 305.999



46, 4.671, 269.289



33, 70.968, 294.292



7, 25.511, 286.936

Previews

White Background



This preview shows how the CIELCh color 71, 72.892, 74.813 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 CIELCh color 71, 72.892, 74.813 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, 72.892, 74.813

Background



This preview shows how black text looks on a background with the CIELCh color 71, 72.892, 74.813.



This preview shows how white text looks on a background with the CIELCh color 71, 72.892, 74.813.

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, 72.892, 74.813

Protanopia

71, 67.991, 95.383

Deuteranopia

71, 71.508, 82.587



Tritanopia
71, 37.871, 14.392

Trichromacy



Original Color
71, 72.892, 74.813

Protanomaly
71, 68.635, 87.586

Deuteranomaly
71, 71.849, 79.977

Tritanomaly
71, 45.294, 50.156

Monochromacy



Original Color
71, 72.892, 74.813

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 28.462, 82.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 72.892, 74.813 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(234, 158, 29)` looks like.

```
.text, #text, p{  
    color:rgb(234, 158, 29)  
}
```

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(234, 158, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 158, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 72.892, 74.813 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(234, 158, 29) }
```

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

```
.border{ border-color:rgb(234, 158, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 158, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 158, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 158, 29);  
box-shadow:4px 4px 4px 4px rgb(234, 158,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 72.892, 74.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 158, 29) }
```

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

```
.background{ background-color: rgb(234,  
158, 29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor