

Converting Colors

CIELCh(74, 68.476, 82.133)

Have a look what the booklet for
CIELCh(74, 68.476, 82.133) contains.

CIELCh(74, 68.458, 82.072)	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(74, 68.458, 82.072)

Conversions

Conversions Part 1

Format	Color
Hex	E5AD2E
RGB	229, 173, 46
RGB Percent	90%, 68%, 18%
CMY	0.1023, 0.3218, 0.8199
CMYK	0.00, 0.24, 0.80, 0.10
HSL	42°, 78%, 54%
HSV	42°, 80%, 90%
XYZ	47.7117, 46.7039, 9.0769
YIQ	175.2660, 74.1430, -27.6250

Conversions

Conversions Part 2

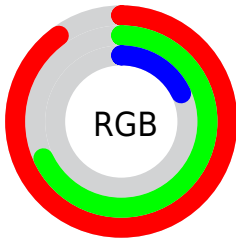
Format	Color
R _Y B	127, 229, 46
Decimal	15052078
CIE Lab	74.00, 9.44, 67.80
CIE LCh	74, 68.458, 82.072
Yxy	46.7039, 0.4610, 0.4513
Android (android.graphics.Color)	4293242158 (0xFFE5AD2E)
YUV	175.2660, -63.7281, 47.1247
Hunter-Lab	68.3403, 5.0240, 39.9633

Details

The CIELCh color **74, 68.458, 82.072** 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 **47, 74.779, 291.620**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 63.166, 94.657**, and **54, 61.077, 80.449** is the 20% darker color. If you saturate the color by 10%, you get **72, 73.537, 80.144**, and if you desaturate by 10%, it is **76, 61.383, 83.738**.

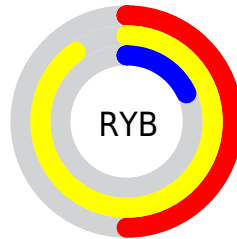
Distribution



Red (90%)

Green (68%)

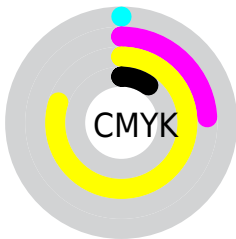
Blue (18%)



Red (50%)

Yellow (90%)

Blue (18%)

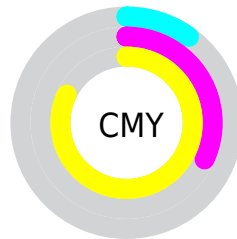


Cyan (0%)

Magenta (24%)

Yellow (80%)

Black (10%)



Cyan (10%)

Magenta (32%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 68.458, 82.072 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 74, 68.458, 82.072 by changing the saturation by 10% instead.

 74, 68.458, 82.072

 74, 68.458, 82.072

 100, 68.458,
82.072

 64, 68.458, 82.072

 94, 68.458, 82.072

 54, 68.458, 82.072

 44, 68.458, 82.072

 34, 68.458, 82.072

 24, 68.458, 82.072

 14, 68.458, 82.072

 4, 68.458, 82.072

 0, 68.458, 82.072

 74, 68.458, 82.072

 74, 68.458, 82.072

72, 73.537, 80.144

76, 61.383, 83.738

70, 76.221, 77.842

78, 53.148, 85.258

70, 76.237, 77.828

80, 44.347, 86.698

82, 35.337, 88.088

84, 26.314, 89.438

86, 17.379, 90.747

89, 8.580, 92.005

91, 0.064, 277.139

93, 8.548, 274.469

Harmonies

Complementary

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



74, 68.458, 82.072



47, 74.779, 291.620

Rectangle

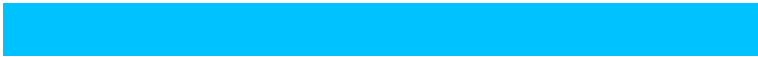
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 68.458, 82.072



74, 68.458, 132.072



74, 68.458, 262.072



74, 68.458, 312.072

Sweetspot

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



74, 68.457, 82.075



94, 22.916, 90.202



51, 71.728, 10.405



49, 15.790, 89.731



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 68.457, 82.075



78, 81.833, 78.630



86, 83.980, 112.992



47, 4.911, 92.064



56, 63.334, 78.296



15, 22.483, 81.233

Inverse Universe

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



47, 74.779, 291.620



44, 99.751, 297.442



37, 106.412, 306.093



45, 4.924, 274.505



29, 77.875, 297.970



5, 26.291, 288.974

Previews

White Background



This preview shows how the CIELCh color 74, 68.458, 82.072 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 74, 68.458, 82.072 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 74, 68.458, 82.072

Background



This preview shows how black text looks on a background with the CIELCh color 74, 68.458, 82.072.



This preview shows how white text looks on a background with the CIELCh color 74, 68.458, 82.072.

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

74, 68.458, 82.072

Protanopia

74, 66.733, 95.278

Deuteranopia

74, 68.458, 82.072



Tritanopia
74, 30.316, 9.124

Trichromacy



Original Color
74, 68.458, 82.072

Protanomaly
74, 66.906, 90.154

Deuteranomaly
74, 68.458, 82.072

Tritanomaly
74, 36.545, 54.758

Monochromacy



Original Color
74, 68.458, 82.072

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 26.421, 88.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 68.458, 82.072 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(229, 173, 46)` looks like.

```
.text, #text, p{  
    color:rgb(229, 173, 46)  
}
```

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(229, 173, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 173, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 68.458, 82.072 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(229, 173, 46) }
```

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

```
.border{ border-color:rgb(229, 173, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 173, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 173, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 173, 46);  
box-shadow:4px 4px 4px 4px rgb(229, 173,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 68.458, 82.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 173, 46) }
```

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

```
.background{ background-color: rgb(229,  
173, 46) }
```

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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