

Converting Colors

CIELCh(74, 82.474, 71.330)

Have a look what the booklet for
CIELCh(74, 82.474, 71.330) contains.

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Color

CIELCh(74, 82.359, 71.572)

Conversions

Conversions Part 1

Format	Color
Hex	FFA102
RGB	255, 161, 2
RGB Percent	100%, 63%, 1%
CMY	0.0004, 0.3689, 0.9930
CMYK	0.00, 0.37, 0.99, 0.00
HSL	38°, 100%, 50%
HSV	38°, 99%, 100%
XYZ	53.9413, 46.7039, 6.2225
YIQ	170.9800, 107.0630, -29.5210

Conversions

Conversions Part 2

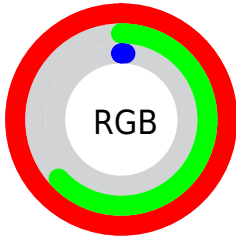
Format	Color
R _Y B	152, 255, 2
Decimal	16752898
CIE Lab	74.00, 26.03, 78.14
CIE LCh	74, 82.359, 71.572
Yxy	46.7039, 0.5047, 0.4370
Android (android.graphics.Color)	4294942978 (0xFFFFFA102)
YUV	170.9800, -83.3071, 73.6855
Hunter-Lab	68.3403, 21.2955, 42.4398

Details

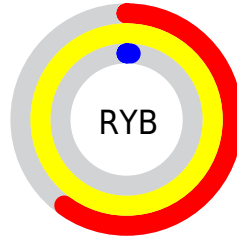
The CIELCh color **74, 82.359, 71.572** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **46, 93.102, 294.865**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 69.533, 90.392**, and **54, 67.344, 66.341** is the 20% darker color. If you saturate the color by 10%, you get **74, 82.568, 71.382**, and if you desaturate by 10%, it is **76, 78.848, 74.272**.

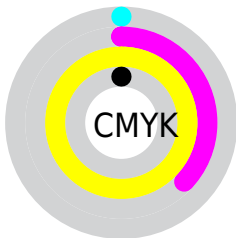
Distribution



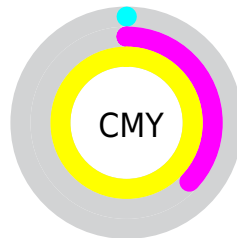
- Red (100%)
- Green (63%)
- Blue (1%)



- Red (60%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (37%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 82.359, 71.572 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, 82.359, 71.572 by changing the saturation by 10% instead.

 74, 82.359, 71.572

 74, 82.359, 71.572

 100, 82.359,
71.572

 64, 82.359, 71.572

 94, 82.359, 71.572

 54, 82.359, 71.572

 44, 82.359, 71.572

 34, 82.359, 71.572

 24, 82.359, 71.572

 14, 82.359, 71.572

 4, 82.359, 71.572

 0, 82.359, 71.572

 74, 82.359, 71.572

 74, 82.359, 71.572

74, 82.568, 71.382

76, 78.848, 74.272

79, 72.641, 76.418

81, 64.473, 78.201

83, 55.292, 79.793

86, 45.717, 81.286

89, 36.090, 82.720

91, 26.585, 84.111

94, 17.284, 85.459

97, 8.214, 86.752

Harmonies

Complementary

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



74, 82.359, 71.572



46, 93.102, 294.865

Rectangle

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



74, 82.359, 71.572



74, 82.359, 121.572



74, 82.359, 251.572



74, 82.359, 301.572

Sweetspot

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



74, 82.357, 71.575



91, 27.253, 84.015



54, 85.130, 14.091



48, 18.690, 83.432



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, 82.357, 71.575



74, 82.594, 71.381



95, 97.706, 110.054



52, 5.024, 86.726



57, 66.492, 71.987



18, 27.645, 74.694

Inverse Universe

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



46, 93.102, 294.865



46, 93.843, 295.114



33, 132.740, 306.587



50, 5.001, 269.284



35, 74.203, 294.433



9, 29.770, 288.964

Previews

White Background



This preview shows how the CIELCh color 74, 82.359, 71.572 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, 82.359, 71.572 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, 82.359, 71.572

Background



This preview shows how black text looks on a background with the CIELCh color 74, 82.359, 71.572.



This preview shows how white text looks on a background with the CIELCh color 74, 82.359, 71.572.

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, 82.359, 71.572

Protanopia

74, 74.164, 95.033

Deuteranopia

74, 77.685, 82.987



Tritanopia
74, 40.809, 16.036

Trichromacy



Original Color
74, 82.359, 71.572

Protanomaly
74, 75.454, 85.825

Deuteranomaly
74, 79.003, 78.692

Tritanomaly
74, 53.351, 52.929

Monochromacy



Original Color
74, 82.359, 71.572

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 35.112, 81.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 82.359, 71.572 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(255, 161, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 2)  
}
```

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(255, 161, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 82.359, 71.572 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(255, 161, 2) }
```

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

```
.border{ border-color:rgb(255, 161, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 82.359, 71.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 2) }
```

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

```
.background{ background-color: rgb(255,  
161, 2) }
```

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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