

Converting Colors

CIELCh(75, 85.046, 69.608)

Have a look what the booklet for
CIELCh(75, 85.046, 69.608) contains.

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Color

CIELCh(74, 82.576, 71.633)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FFA100 |
| RGB | 255, 161, 0 |
| RGB Percent | 100%, 63%, 0% |
| CMY | 0.0004, 0.3689, 1.0000 |
| CMYK | 0.00, 0.37, 1.00, 0.00 |
| HSL | 38°, 100%, 50% |
| HSV | 38°, 100%, 100% |
| XYZ | 53.9355, 46.7039, 6.1660 |
| YIQ | 170.7520, 107.7050, -30.1430 |

Conversions

Conversions Part 2

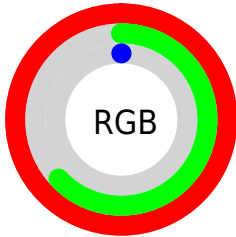
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 149, 255, 0 |
| Decimal | 16752896 |
| CIE _{Lab} | 74.00, 26.02, 78.37 |
| CIE _{LCh} | 74, 82.576, 71.633 |
| Yxy | 46.7039, 0.5050, 0.4373 |
| Android (android.graphics.Color) | 4294942976 (0xFFFFFA100) |
| YUV | 170.7520, -84.1807, 73.8855 |
| Hunter-Lab | 68.3403, 21.2803, 42.4887 |

Details

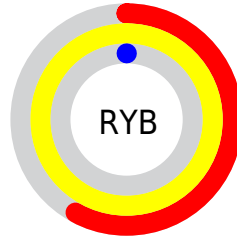
The CIELCh color **74, 82.576, 71.633** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **46, 94.229, 295.274**, and the grayscale version is **70, 0.009, 296.813**.

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, 82.553, 71.630**, and if you desaturate by 10%, it is **76, 79.198, 74.339**.

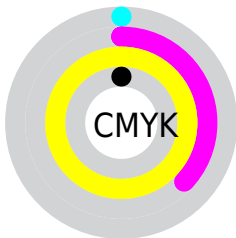
Distribution



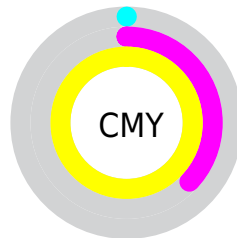
- Red (100%)
- Green (63%)
- Blue (0%)



- Red (58%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 82.576, 71.633 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, 82.576, 71.633 by changing the saturation by 10% instead.

74, 82.576, 71.633

74, 82.576, 71.633

100, 82.576,
71.633

64, 82.576, 71.633

94, 82.576, 71.633

54, 82.576, 71.633

44, 82.576, 71.633

34, 82.576, 71.633

24, 82.576, 71.633

14, 82.576, 71.633

4, 82.576, 71.633

0, 82.576, 71.633

74, 82.576, 71.633

74, 82.576, 71.633

74, 82.553, 71.630

76, 79.198, 74.339

78, 73.196, 76.513

81, 65.151, 78.312

83, 56.026, 79.913

86, 46.465, 81.410

89, 36.828, 82.848

91, 27.300, 84.241

94, 17.967, 85.592

97, 8.862, 86.889

Harmonies

Complementary

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



74, 82.576, 71.633



46, 94.229, 295.274

Rectangle

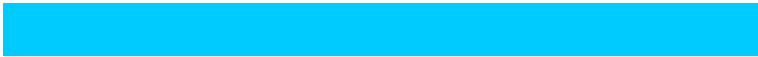
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 82.576, 71.633



74, 82.576, 121.633



74, 82.576, 251.633



74, 82.576, 301.633

Sweetspot

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



74, 82.553, 71.630



91, 27.309, 84.241



54, 85.334, 14.459



48, 18.727, 83.658



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, 82.553, 71.630



74, 82.576, 71.629



95, 97.843, 110.087



52, 5.036, 86.951



57, 66.481, 72.231



18, 27.672, 74.947

Inverse Universe

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



46, 94.229, 295.274



46, 94.257, 295.275



33, 133.074, 306.613



50, 5.015, 269.506



34, 74.531, 294.597



9, 29.900, 289.150

Previews

White Background



This preview shows how the CIELCh color 74, 82.576, 71.633 looks on a white background.

Color Contrast Check

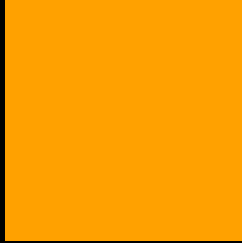
Large Text (above 18pt) WCAG AA × Fail

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, 82.576, 71.633 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, 82.576, 71.633

Background



This preview shows how black text looks on a background with the CIELCh color 74, 82.576, 71.633.



This preview shows how white text looks on a background with the CIELCh color 74, 82.576, 71.633.

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, 82.576, 71.633

Protanopia

74, 74.164, 95.033

Deuteranopia

74, 77.685, 82.987



Tritanopia
74, 40.809, 16.036

Trichromacy



Original Color
74, 82.576, 71.633

Protanomaly
74, 75.572, 85.840

Deuteranomaly
74, 79.113, 78.715

Tritanomaly
74, 53.351, 52.929

Monochromacy



Original Color
74, 82.576, 71.633

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, 82.576, 71.633 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 82.576, 71.633 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, 0) }
```

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

```
.border{ border-color:rgb(255, 161, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 82.576, 71.633 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
161, 0) }
```

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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