

Converting Colors

CIELCh(71, 78.308, 75.139)

Have a look what the booklet for
CIELCh(71, 78.308, 75.139) contains.

CIELCh(71, 78.057, 74.742)	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, 78.057, 74.742)

Conversions

Conversions Part 1

Format	Color
Hex	ED9D00
RGB	237, 157, 0
RGB Percent	93%, 62%, 0%
CMY	0.0700, 0.3838, 0.9987
CMYK	0.00, 0.34, 1.00, 0.07
HSL	40°, 100%, 47%
HSV	40°, 100%, 93%
XYZ	47.0550, 42.1875, 5.6720
YIQ	163.0220, 98.0770, -31.8670

Conversions

Conversions Part 2

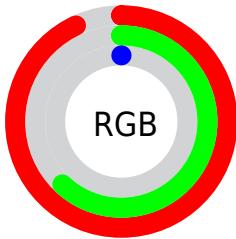
Format	Color
RYB	121, 237, 0
Decimal	15572224
CIELab	71.00, 20.54, 75.31
CIElCh	71, 78.057, 74.742
Yxy	42.1875, 0.4958, 0.4445
Android (android.graphics.Color)	4293762304 (0xFFED9D00)
YUV	163.0220, -80.3698, 64.8787
Hunter-Lab	64.9519, 15.6502, 40.2888

Details

The CIELCh color **71, 78.057, 74.742** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **41, 93.321, 296.883**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 69.308, 88.792**, and **51, 62.373, 70.066** is the 20% darker color. If you saturate the color by 10%, you get **71, 78.093, 74.709**, and if you desaturate by 10%, it is **73, 75.054, 77.252**.

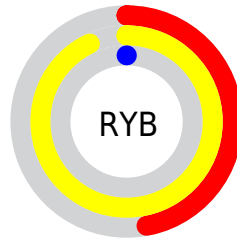
Distribution



Red (93%)

Green (62%)

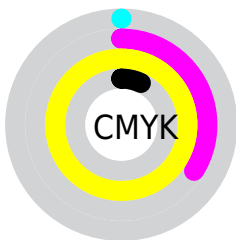
Blue (0%)



Red (47%)

Yellow (93%)

Blue (0%)

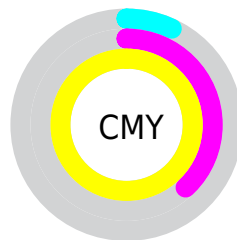


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 78.057, 74.742 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, 78.057, 74.742 by changing the saturation by 10% instead.

71, 78.057, 74.742

71, 78.057, 74.742

100, 78.057,
74.742

61, 78.057, 74.742

91, 78.057, 74.742

51, 78.057, 74.742

41, 78.057, 74.742

31, 78.057, 74.742

21, 78.057, 74.742

11, 78.057, 74.742

1, 78.057, 74.742

0, 78.057, 74.742

71, 78.057, 74.742

71, 78.057, 74.742

71, 78.093, 74.709

73, 75.054, 77.252

75, 69.579, 79.310

77, 62.132, 81.048

79, 53.592, 82.614

82, 44.563, 84.089

84, 35.396, 85.507

86, 26.275, 86.882

89, 17.292, 88.215

91, 8.487, 89.494

Harmonies

Complementary

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



71, 78.057, 74.742



41, 93.321, 296.883

Rectangle

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



71, 78.057, 74.742



71, 78.057, 124.742



71, 78.057, 254.742



71, 78.057, 304.742

Sweetspot

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



71, 78.055, 74.745



92, 28.004, 86.848



50, 81.564, 17.372



48, 19.184, 86.270



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, 78.055, 74.745



76, 82.500, 74.582



89, 93.151, 112.022



48, 4.844, 89.544



55, 63.809, 75.260



15, 23.283, 78.048

Inverse Universe

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



41, 93.321, 296.883



44, 99.146, 297.072



31, 125.547, 306.801



46, 4.841, 272.040



31, 74.977, 296.291



6, 26.698, 288.756

Previews

White Background



This preview shows how the CIELCh color 71, 78.057, 74.742 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, 78.057, 74.742 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, 78.057, 74.742

Background



This preview shows how black text looks on a background with the CIELCh color 71, 78.057, 74.742.



This preview shows how white text looks on a background with the CIELCh color 71, 78.057, 74.742.

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, 78.057, 74.742

Protanopia

71, 71.848, 95.058

Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 39.507, 14.968

Trichromacy



Original Color
71, 78.057, 74.742

Protanomaly
71, 73.016, 87.343

Deuteranomaly
71, 75.796, 80.009

Tritanomaly
71, 50.447, 53.689

Monochromacy



Original Color
71, 78.057, 74.742

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 33.704, 84.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 78.057, 74.742 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(237, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 157, 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(237, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 157, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 78.057, 74.742 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(237, 157, 0) }
```

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

```
.border{ border-color:rgb(237, 157, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 157,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 78.057, 74.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 157, 0) }
```

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

```
.background{ background-color: rgb(237,  
157, 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](#).

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