

Converting Colors

CIELCh(70, 79.482, 70.954)

Have a look what the booklet for
CIELCh(70, 79.482, 70.954) contains.

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Color

CIELCh(70, 79.449, 70.636)

Conversions

Conversions Part 1

Format	Color
Hex	F29600
RGB	242, 150, 0
RGB Percent	95%, 59%, 0%
CMY	0.0505, 0.4113, 0.9989
CMYK	0.00, 0.38, 1.00, 0.05
HSL	37°, 100%, 48%
HSV	37°, 100%, 95%
XYZ	47.5890, 40.7494, 5.3649
YIQ	160.4080, 102.9820, -27.1460

Conversions

Conversions Part 2

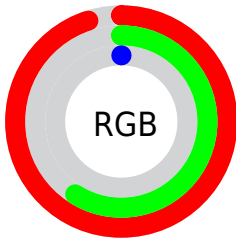
Format	Color
RYB	148, 242, 0
Decimal	15898112
CIELab	70.00, 26.34, 74.95
CIELCh	70, 79.449, 70.636
Yxy	40.7494, 0.5079, 0.4349
Android (android.graphics.Color)	4294088192 (0xFFFF29600)
YUV	160.4080, -79.0811, 71.5562
Hunter-Lab	63.8353, 21.3594, 39.7018

Details

The CIELCh color **70, 79.449, 70.636** 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 **44, 88.449, 294.382**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.910, 85.345**, and **50, 64.136, 65.227** is the 20% darker color. If you saturate the color by 10%, you get **70, 79.484, 70.607**, and if you desaturate by 10%, it is **72, 75.956, 73.354**.

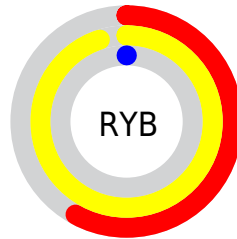
Distribution



Red (95%)

Green (59%)

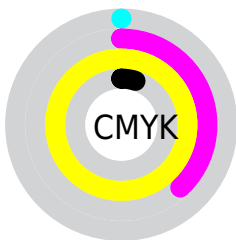
Blue (0%)



Red (58%)

Yellow (95%)

Blue (0%)

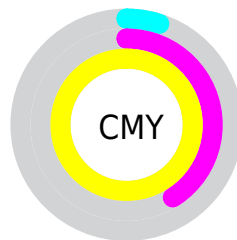


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (41%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 79.449, 70.636 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 70, 79.449, 70.636 by changing the saturation by 10% instead.

 70, 79.449, 70.636

 70, 79.449, 70.636

 100, 79.449,
70.636

 60, 79.449, 70.636

 90, 79.449, 70.636

 50, 79.449, 70.636

 40, 79.449, 70.636

 30, 79.449, 70.636

 20, 79.449, 70.636

 10, 79.449, 70.636

 0, 79.449, 70.636

 70, 79.449, 70.636

 70, 79.449, 70.636

 70, 79.484, 70.607

 72, 75.956, 73.354

74, 69.988, 75.530

77, 62.139, 77.324

79, 53.324, 78.919

82, 44.144, 80.412

84, 34.926, 81.845

87, 25.839, 83.234

90, 16.958, 84.583

93, 8.309, 85.878

Harmonies

Complementary

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



70, 79.449, 70.636



44, 88.449, 294.382

Rectangle

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



70, 79.449, 70.636



70, 79.449, 120.636



70, 79.449, 250.636



70, 79.449, 300.636

Sweetspot

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



70, 79.447, 70.639



91, 27.058, 83.207



51, 82.004, 14.233



47, 18.563, 82.624



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 79.447, 70.639



73, 82.673, 70.507



91, 94.080, 110.062



49, 4.734, 85.929



54, 64.544, 71.226



16, 24.017, 73.753

Inverse Universe

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



44, 88.449, 294.382



47, 92.375, 294.534



31, 127.914, 306.619



47, 4.708, 268.480



34, 70.639, 293.726



8, 26.282, 287.096

Previews

White Background



This preview shows how the CIELCh color 70, 79.449, 70.636 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 70, 79.449, 70.636 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 70, 79.449, 70.636

Background



This preview shows how black text looks on a background with the CIELCh color 70, 79.449, 70.636.



This preview shows how white text looks on a background with the CIELCh color 70, 79.449, 70.636.

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

70, 79.449, 70.636

Protanopia

70, 70.490, 95.293

Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 43.824, 17.101

Trichromacy



Original Color
70, 79.449, 70.636

Protanomaly
70, 71.862, 85.508

Deuteranomaly
70, 75.558, 78.331

Tritanomaly
70, 54.073, 50.639

Monochromacy



Original Color
70, 79.449, 70.636

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 33.357, 80.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 79.449, 70.636 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(242, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 150, 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(242, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 150, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 79.449, 70.636 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(242, 150, 0) }
```

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

```
.border{ border-color:rgb(242, 150, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 150, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 150,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 79.449, 70.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 150, 0) }
```

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

```
.background{ background-color: rgb(242,  
150, 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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