

Converting Colors

CIELCh(71, 79.361, 73.148)

Have a look what the booklet for
CIELCh(71, 79.361, 73.148) contains.

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Color

CIELCh(71, 79.059, 72.864)

Conversions

Conversions Part 1

Format	Color
Hex	F19B00
RGB	241, 155, 0
RGB Percent	95%, 61%, 0%
CMY	0.0545, 0.3918, 0.9992
CMYK	0.00, 0.36, 1.00, 0.05
HSL	39°, 100%, 47%
HSV	39°, 100%, 95%
XYZ	48.0441, 42.1875, 5.6166
YIQ	163.0440, 101.0110, -29.9730

Conversions

Conversions Part 2

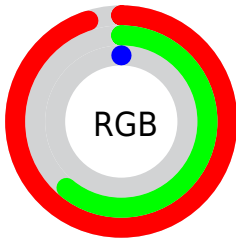
Format	Color
RYB	134, 241, 0
Decimal	15833856
CIELab	71.00, 23.29, 75.55
CIELCh	71, 79.059, 72.864
Yxy	42.1875, 0.5013, 0.4401
Android (android.graphics.Color)	4294023936 (0xFFFF19B00)
YUV	163.0440, -80.3807, 68.3674
Hunter-Lab	64.9519, 18.3682, 40.3393

Details

The CIELCh color **71, 79.059, 72.864** 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 **43, 91.730, 295.831**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 68.608, 87.499**, and **51, 63.391, 68.049** is the 20% darker color. If you saturate the color by 10%, you get **71, 79.083, 72.843**, and if you desaturate by 10%, it is **73, 75.850, 75.483**.

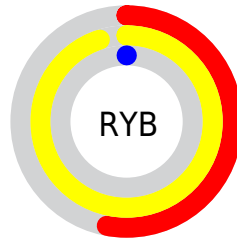
Distribution



Red (95%)

Green (61%)

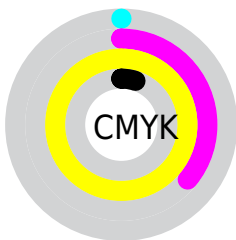
Blue (0%)



Red (53%)

Yellow (95%)

Blue (0%)

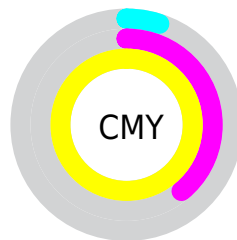


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 79.059, 72.864 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, 79.059, 72.864 by changing the saturation by 10% instead.

71, 79.059, 72.864

71, 79.059, 72.864

100, 79.059,
72.864

61, 79.059, 72.864

91, 79.059, 72.864

51, 79.059, 72.864

41, 79.059, 72.864

31, 79.059, 72.864

21, 79.059, 72.864

11, 79.059, 72.864

1, 79.059, 72.864

0, 79.059, 72.864

71, 79.059, 72.864

71, 79.059, 72.864

71, 79.083, 72.843

73, 75.850, 75.483

75, 70.148, 77.605

77, 62.493, 79.377

80, 53.791, 80.963

82, 44.648, 82.451

85, 35.410, 83.880

87, 26.255, 85.265

90, 17.269, 86.608

92, 8.486, 87.897

Harmonies

Complementary

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



71, 79.059, 72.864



43, 91.730, 295.831

Rectangle

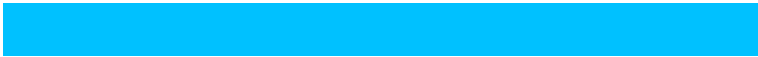
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 79.059, 72.864



71, 79.059, 122.864



71, 79.059, 252.864



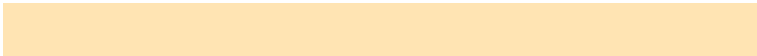
71, 79.059, 302.864

Sweetspot

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



71, 79.057, 72.867



92, 27.564, 85.241



51, 82.145, 15.852



48, 18.895, 84.659



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, 79.057, 72.867



75, 82.517, 72.740



90, 94.041, 111.054



49, 4.840, 87.951



55, 64.460, 73.421



16, 24.272, 76.119

Inverse Universe

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



43, 91.730, 295.831



45, 96.108, 295.976



31, 127.343, 306.704



47, 4.826, 270.478



32, 73.502, 295.203



7, 27.244, 288.620

Previews

White Background



This preview shows how the CIELCh color 71, 79.059, 72.864 looks on a white background.

Color Contrast Check

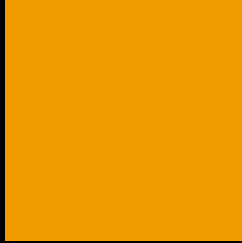
Large Text (above 18pt) WCAG AA × Fail

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, 79.059, 72.864 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, 79.059, 72.864

Background



This preview shows how black text looks on a background with the CIELCh color 71, 79.059, 72.864.



This preview shows how white text looks on a background with the CIELCh color 71, 79.059, 72.864.

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, 79.059, 72.864

Protanopia

71, 71.693, 95.056

Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 41.590, 15.670

Trichromacy



Original Color
71, 79.059, 72.864

Protanomaly
71, 72.885, 86.565

Deuteranomaly
71, 76.145, 78.984

Tritanomaly
71, 52.154, 52.108

Monochromacy



Original Color
71, 79.059, 72.864

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 33.616, 83.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 79.059, 72.864 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(241, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 155, 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(241, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 155, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 79.059, 72.864 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(241, 155, 0) }
```

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

```
.border{ border-color:rgb(241, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 155,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 79.059, 72.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 155, 0) }
```

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

```
.background{ background-color: rgb(241,  
155, 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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