

Converting Colors

CIELCh(71, 79.334, 72.207)

Have a look what the booklet for
CIELCh(71, 79.334, 72.207) contains.

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Color

CIELCh(71, 79.217, 72.174)

Conversions

Conversions Part 1

Format	Color
Hex	F29A02
RGB	242, 154, 2
RGB Percent	95%, 60%, 1%
CMY	0.0493, 0.3946, 0.9925
CMYK	0.00, 0.36, 0.99, 0.05
HSL	38°, 98%, 48%
HSV	38°, 99%, 95%
XYZ	48.3910, 42.1875, 5.6474
YIQ	162.9840, 101.2400, -28.6160

Conversions

Conversions Part 2

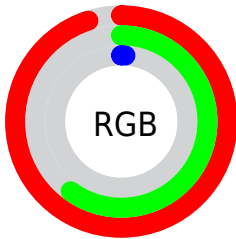
Format	Color
R_{YB}	141, 242, 2
Decimal	15899138
CIE _{Lab}	71.00, 24.25, 75.41
CIE _{LCh}	71, 79.217, 72.174
Yxy	42.1875, 0.5029, 0.4384
Android (android.graphics.Color)	4294089218 (0xFFFF29A02)
YUV	162.9840, -79.3651, 69.2970
Hunter-Lab	64.9519, 19.3217, 40.3113

Details

The CIELCh color **71, 79.217, 72.174** 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, 90.061, 295.046**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.383, 87.061**, and **51, 63.775, 67.229** is the 20% darker color. If you saturate the color by 10%, you get **71, 79.453, 71.964**, and if you desaturate by 10%, it is **73, 75.787, 74.816**.

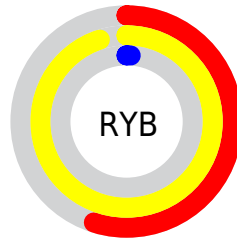
Distribution



Red (95%)

Green (60%)

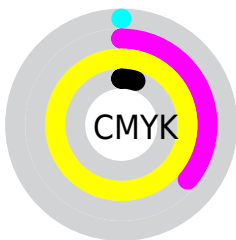
Blue (1%)



Red (55%)

Yellow (95%)

Blue (1%)

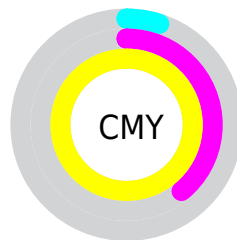


Cyan (0%)

Magenta (36%)

Yellow (99%)

Black (5%)



Cyan (5%)

Magenta (39%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 79.217, 72.174 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, 79.217, 72.174 by changing the saturation by 10% instead.

71, 79.217, 72.174

71, 79.217, 72.174

100, 79.217,
72.174

61, 79.217, 72.174

91, 79.217, 72.174

51, 79.217, 72.174

41, 79.217, 72.174

31, 79.217, 72.174

21, 79.217, 72.174

11, 79.217, 72.174

1, 79.217, 72.174

0, 79.217, 72.174

71, 79.217, 72.174

71, 79.217, 72.174

71, 79.453, 71.964

73, 75.787, 74.816

75, 69.803, 76.931

78, 61.956, 78.696

80, 53.140, 80.278

82, 43.942, 81.765

85, 34.688, 83.193

88, 25.543, 84.579

90, 16.585, 85.921

93, 7.843, 87.209

Harmonies

Complementary

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



71, 79.217, 72.174



44, 90.061, 295.046

Rectangle

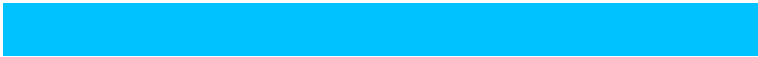
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 79.217, 72.174



71, 79.217, 122.174



71, 79.217, 252.174



71, 79.217, 302.174

Sweetspot

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



71, 79.215, 72.177



91, 27.363, 84.459



52, 82.274, 15.499



48, 18.763, 83.877



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, 79.215, 72.177



74, 82.560, 71.869



91, 94.294, 111.020



50, 4.882, 87.173



55, 65.145, 72.532



17, 25.370, 75.208

Inverse Universe

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



44, 90.061, 295.046



46, 94.659, 295.429



31, 127.538, 306.678



48, 4.862, 269.715



33, 73.212, 294.681



8, 27.974, 288.615

Previews

White Background



This preview shows how the CIELCh color 71, 79.217, 72.174 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, 79.217, 72.174 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, 79.217, 72.174

Background



This preview shows how black text looks on a background with the CIELCh color 71, 79.217, 72.174.



This preview shows how white text looks on a background with the CIELCh color 71, 79.217, 72.174.

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, 79.101, 72.140

Protanopia

71, 71.693, 95.056

Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 42.834, 16.068

Trichromacy



Original Color
71, 79.101, 72.140

Protanomaly
71, 72.762, 85.783

Deuteranomaly
71, 76.026, 78.959

Tritanomaly
71, 53.043, 51.061

Monochromacy



Original Color
71, 79.101, 72.140

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 33.810, 82.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 79.217, 72.174 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, 154, 2)` looks like.

```
.text, #text, p{  
    color:rgb(242, 154, 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(242, 154, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 154, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 79.217, 72.174 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, 154, 2) }
```

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

```
.border{ border-color:rgb(242, 154, 2) }
```

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

Here you see how a box with a 4 pixel rgb(242, 154, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 154, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 154, 2);  
box-shadow:4px 4px 4px 4px rgb(242, 154,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 79.217, 72.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 154, 2) }
```

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

```
.background{ background-color: rgb(242,  
154, 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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