

Converting Colors

CIELCh(72, 71.093, 63.508)

Have a look what the booklet for
CIELCh(72, 71.093, 63.508) contains.

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Color

CIELCh(72, 71.147, 63.459)

Conversions

Conversions Part 1

Format	Color
Hex	FE9737
RGB	254, 151, 55
RGB Percent	100%, 59%, 22%
CMY	0.0024, 0.4066, 0.7830
CMYK	0.00, 0.41, 0.78, 0.00
HSL	29°, 99%, 61%
HSV	29°, 78%, 100%
XYZ	52.8294, 43.6590, 9.2988
YIQ	170.8530, 92.2040, -8.0200

Conversions

Conversions Part 2

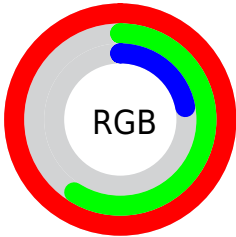
Format	Color
R _Y B	254, 240, 55
Decimal	16684855
CIE Lab	72.00, 31.79, 63.65
CIE LCh	72, 71.147, 63.459
Yxy	43.6590, 0.4994, 0.4127
Android (android.graphics.Color)	4294874935 (0xFFFE9737)
YUV	170.8530, -57.1155, 72.9199
Hunter-Lab	66.0750, 27.0862, 37.9085

Details

The CIELCh color **72, 71.147, 63.459** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **64, 56.018, 273.243**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 54.896, 83.294**, and **52, 68.130, 62.028** is the 20% darker color. If you saturate the color by 10%, you get **69, 79.419, 61.535**, and if you desaturate by 10%, it is **75, 61.578, 64.962**.

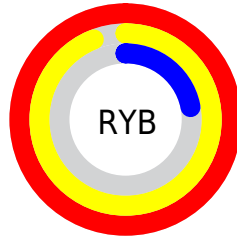
Distribution



Red (100%)

Green (59%)

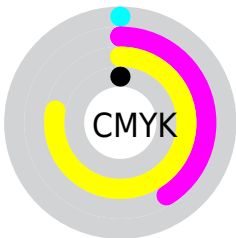
Blue (22%)



Red (100%)

Yellow (94%)

Blue (22%)

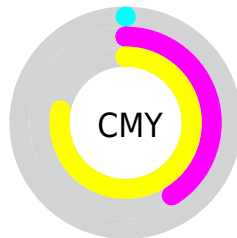


Cyan (0%)

Magenta (41%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (41%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 71.147, 63.459 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 72, 71.147, 63.459 by changing the saturation by 10% instead.

72, 71.147, 63.459

72, 71.147, 63.459

100, 71.147,
63.459

62, 71.147, 63.459

92, 71.147, 63.459

52, 71.147, 63.459

42, 71.147, 63.459

32, 71.147, 63.459

22, 71.147, 63.459

12, 71.147, 63.459

2, 71.147, 63.459

0, 71.147, 63.459

72, 71.147, 63.459

72, 71.147, 63.459

69, 79.419, 61.535

75, 61.578, 64.962

66, 85.227, 58.835

78, 51.641, 66.282

66, 86.129, 58.350

82, 41.820, 67.538

85, 32.337, 68.775

89, 23.278, 70.007

93, 14.658, 71.229

97, 6.459, 72.411

100, 0.214,
202.488

Harmonies

Complementary

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



72, 71.147, 63.459



64, 56.018, 273.243

Rectangle

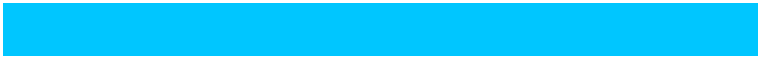
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 71.147, 63.459



72, 71.147, 113.459



72, 71.147, 243.459



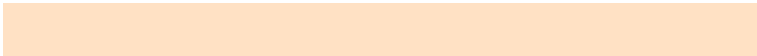
72, 71.147, 293.459

Sweetspot

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



72, 71.145, 63.462



91, 18.737, 70.650



59, 80.104, 352.500



47, 13.089, 70.208



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 71.145, 63.462



68, 83.246, 60.078



95, 86.542, 101.613



51, 4.476, 72.268



50, 69.218, 59.057



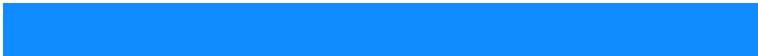
16, 27.034, 60.064

Inverse Universe

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



64, 56.018, 273.243



58, 66.820, 280.462



40, 112.051, 302.855



51, 4.364, 254.766



42, 56.260, 282.392



12, 22.985, 275.700

Previews

White Background



This preview shows how the CIELCh color 72, 71.147, 63.459 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 72, 71.147, 63.459 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 72, 71.147, 63.459

Background



This preview shows how black text looks on a background with the CIELCh color 72, 71.147, 63.459.



This preview shows how white text looks on a background with the CIELCh color 72, 71.147, 63.459.

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

72, 71.147, 63.459

Protanopia

72, 59.239, 95.222

Deuteranopia

72, 65.375, 81.925



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 71.147, 63.459

Protanomaly
72, 60.774, 82.105

Deuteranomaly
72, 66.728, 74.719

Tritanomaly
72, 50.218, 41.082

Monochromacy



Original Color
72, 71.147, 63.459

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 24.865, 69.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 71.147, 63.459 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(254, 151, 55)` looks like.

```
.text, #text, p{  
    color:rgb(254, 151, 55)  
}
```

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(254, 151, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 151, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 71.147, 63.459 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(254, 151, 55) }
```

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

```
.border{ border-color:rgb(254, 151, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 151, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 151, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 151, 55);  
box-shadow:4px 4px 4px 4px rgb(254, 151,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 71.147, 63.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 151, 55) }
```

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

```
.background{ background-color: rgb(254,  
151, 55) }
```

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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