

Converting Colors

CIELCh(72, 69.108, 61.200)

Have a look what the booklet for
CIELCh(72, 69.108, 61.200) contains.

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Color

CIELCh(72, 68.795, 61.330)

Conversions

Conversions Part 1

Format	Color
Hex	FF963F
RGB	255, 150, 63
RGB Percent	100%, 59%, 25%
CMY	0.0000, 0.4101, 0.7513
CMYK	0.00, 0.41, 0.75, 0.00
HSL	27°, 100%, 62%
HSV	27°, 75%, 100%
XYZ	53.2989, 43.6590, 10.3798
YIQ	171.4770, 90.5070, -4.7970

Conversions

Conversions Part 2

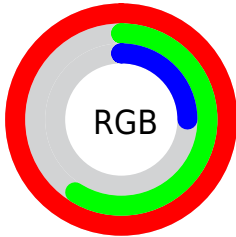
Format	Color
R _Y B	255, 222, 63
Decimal	16750143
CIE Lab	72.00, 33.01, 60.36
CIE LCh	72, 68.795, 61.330
Yxy	43.6590, 0.4966, 0.4067
Android (android.graphics.Color)	4294940223 (0xFFFF963F)
YUV	171.4770, -53.4792, 73.2497
Hunter-Lab	66.0750, 28.3545, 36.9385

Details

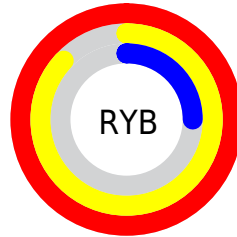
The CIELCh color **72, 68.795, 61.330** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **67, 51.643, 268.590**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 51.079, 81.522**, and **52, 68.608, 61.348** is the 20% darker color. If you saturate the color by 10%, you get **69, 77.799, 59.830**, and if you desaturate by 10%, it is **75, 58.604, 62.731**.

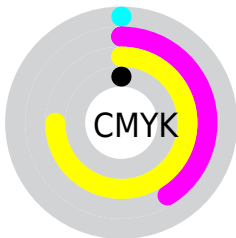
Distribution



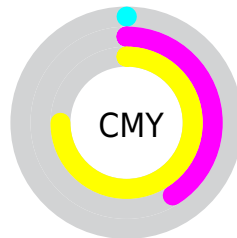
- Red (100%)
- Green (59%)
- Blue (25%)



- Red (100%)
- Yellow (87%)
- Blue (25%)



- Cyan (0%)
- Magenta (41%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 68.795, 61.330 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, 68.795, 61.330 by changing the saturation by 10% instead.

72, 68.795, 61.330

72, 68.795, 61.330

100, 68.795,
61.330

62, 68.795, 61.330

92, 68.795, 61.330

52, 68.795, 61.330

42, 68.795, 61.330

32, 68.795, 61.330

22, 68.795, 61.330

12, 68.795, 61.330

2, 68.795, 61.330

0, 68.795, 61.330

72, 68.795, 61.330

72, 68.795, 61.330

69, 77.799, 59.830

75, 58.604, 62.731

66, 84.853, 57.512

79, 48.491, 63.901

65, 87.493, 56.167

82, 38.659, 65.045

86, 29.264, 66.192

90, 20.352, 67.346

94, 11.918, 68.497

98, 3.932, 69.579

100, 0.012,
296.813

Harmonies

Complementary

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



72, 68.795, 61.330



67, 51.643, 268.590

Rectangle

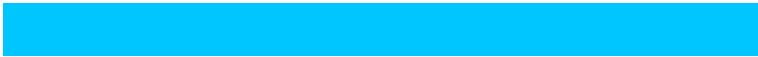
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 68.795, 61.330



72, 68.795, 111.330



72, 68.795, 241.330



72, 68.795, 291.330

Sweetspot

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



72, 68.628, 61.442



91, 18.512, 67.593



60, 79.189, 350.551



47, 12.944, 67.176



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, 68.628, 61.442



67, 81.585, 58.820



95, 83.531, 100.878



51, 4.408, 69.129



49, 70.139, 56.874



15, 27.123, 57.306

Inverse Universe

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



67, 51.643, 268.590



61, 60.727, 275.370



43, 106.085, 301.673



51, 4.279, 251.548



44, 53.120, 279.311



13, 21.855, 272.416

Previews

White Background



This preview shows how the CIELCh color 72, 68.795, 61.330 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, 68.795, 61.330 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, 68.795, 61.330

Background



This preview shows how black text looks on a background with the CIELCh color 72, 68.795, 61.330.



This preview shows how white text looks on a background with the CIELCh color 72, 68.795, 61.330.

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, 68.795, 61.330

Protanopia

72, 55.404, 95.483

Deuteranopia

72, 61.937, 81.535



Tritanopia
72, 44.879, 17.978

Trichromacy



Original Color
72, 68.795, 61.330

Protanomaly
72, 57.188, 81.092

Deuteranomaly
72, 63.246, 73.920

Tritanomaly
72, 49.885, 39.439

Monochromacy



Original Color
72, 68.795, 61.330

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 23.421, 65.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 68.795, 61.330 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(255, 150, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 63)  
}
```

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(255, 150, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 68.795, 61.330 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(255, 150, 63) }
```

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

```
.border{ border-color:rgb(255, 150, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 68.795, 61.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 63) }
```

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

```
.background{ background-color: rgb(255,  
150, 63) }
```

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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