

Converting Colors

CIELCh(72, 68.299, 61.693)

Have a look what the booklet for
CIELCh(72, 68.299, 61.693) contains.

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Color

CIELCh(72, 68.386, 61.595)

Conversions

Conversions Part 1

Format	Color
Hex	FF9740
RGB	255, 151, 64
RGB Percent	100%, 59%, 25%
CMY	0.0009, 0.4085, 0.7497
CMYK	0.00, 0.41, 0.75, 0.00
HSL	27°, 100%, 62%
HSV	27°, 75%, 100%
XYZ	53.1152, 43.6590, 10.4508
YIQ	172.1780, 89.9110, -5.0090

Conversions

Conversions Part 2

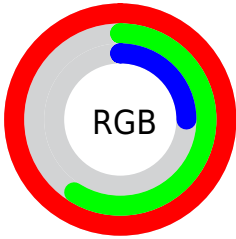
Format	Color
R _Y B	255, 224, 64
Decimal	16750400
CIE Lab	72.00, 32.53, 60.15
CIE LCh	72, 68.386, 61.595
Yxy	43.6590, 0.4954, 0.4072
Android (android.graphics.Color)	4294940480 (0xFFFF9740)
YUV	172.1780, -53.3318, 72.6349
Hunter-Lab	66.0750, 27.8584, 36.8749

Details

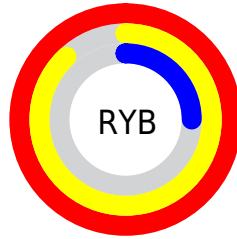
The CIELCh color **72, 68.386, 61.595** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **67, 51.614, 268.690**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 50.841, 81.980**, and **52, 68.287, 61.692** is the 20% darker color. If you saturate the color by 10%, you get **69, 77.557, 59.986**, and if you desaturate by 10%, it is **75, 58.373, 62.891**.

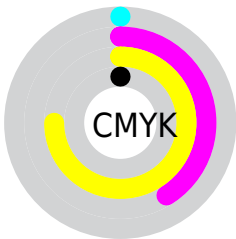
Distribution



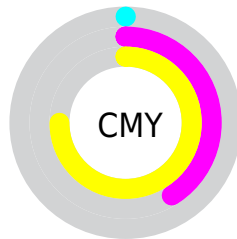
- Red (100%)
- Green (59%)
- Blue (25%)



- Red (100%)
- Yellow (88%)
- 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, 68.386, 61.595 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, 68.386, 61.595 by changing the saturation by 10% instead.

72, 68.386, 61.595

72, 68.386, 61.595

100, 68.386,
61.595

62, 68.386, 61.595

92, 68.386, 61.595

52, 68.386, 61.595

42, 68.386, 61.595

32, 68.386, 61.595

22, 68.386, 61.595

12, 68.386, 61.595

2, 68.386, 61.595

0, 68.386, 61.595

72, 68.386, 61.595

72, 68.386, 61.595

69, 77.557, 59.986

75, 58.373, 62.891

66, 84.637, 57.678

79, 48.278, 64.067

65, 87.369, 56.279

82, 38.465, 65.216

86, 29.086, 66.368

90, 20.189, 67.527

94, 11.766, 68.682

98, 3.789, 69.762

100, 0.077,
208.051

Harmonies

Complementary

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



72, 68.386, 61.595



67, 51.614, 268.690

Rectangle

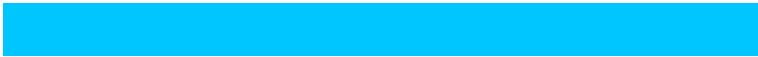
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 68.386, 61.595



72, 68.386, 111.595



72, 68.386, 241.595



72, 68.386, 291.595

Sweetspot

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



72, 68.384, 61.598



91, 17.668, 67.869



60, 79.030, 350.509



47, 11.961, 67.555



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, 68.384, 61.598



68, 81.540, 58.937



95, 83.340, 100.891



51, 4.411, 69.294



49, 70.089, 56.984



15, 27.117, 57.448

Inverse Universe

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



67, 51.614, 268.690



61, 60.896, 275.543



43, 105.744, 301.629



51, 4.283, 251.718



44, 53.279, 279.478



13, 21.911, 272.593

Previews

White Background



This preview shows how the CIELCh color 72, 68.386, 61.595 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, 68.386, 61.595 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, 68.386, 61.595

Background



This preview shows how black text looks on a background with the CIELCh color 72, 68.386, 61.595.



This preview shows how white text looks on a background with the CIELCh color 72, 68.386, 61.595.

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





Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 68.386, 61.595

Protanomaly
72, 57.188, 81.092

Deuteranomaly
72, 62.871, 73.780

Tritanomaly
72, 49.621, 38.914

Monochromacy



Original Color
72, 68.386, 61.595

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, 68.386, 61.595 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, 151, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 64)  
}
```

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, 151, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 68.386, 61.595 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, 151, 64) }
```

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

```
.border{ border-color:rgb(255, 151, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 151, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 68.386, 61.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 64) }
```

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

```
.background{ background-color: rgb(255,  
151, 64) }
```

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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