

Converting Colors

CIELCh(73, 71.906, 64.888)

Have a look what the booklet for
CIELCh(73, 71.906, 64.888) contains.

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Color

CIELCh(73, 71.638, 65.160)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B36
RGB	255, 155, 54
RGB Percent	100%, 61%, 21%
CMY	0.0000, 0.3908, 0.7868
CMYK	0.00, 0.39, 0.79, 0.00
HSL	30°, 100%, 61%
HSV	30°, 79%, 100%
XYZ	53.8433, 45.1644, 9.4142
YIQ	173.3860, 92.0210, -10.2110

Conversions

Conversions Part 2

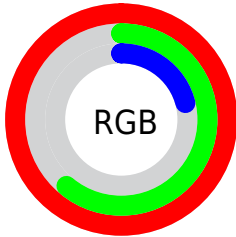
Format	Color
RYB	253, 255, 54
Decimal	16751414
CIELab	73.00, 30.09, 65.01
CIELCh	73, 71.638, 65.160
Yxy	45.1644, 0.4966, 0.4166
Android (android.graphics.Color)	4294941494 (0xFFFF9B36)
YUV	173.3860, -58.8573, 71.5755
Hunter-Lab	67.2044, 25.4040, 38.7376

Details

The CIELCh color **73, 71.638, 65.160** 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 **63, 58.487, 275.747**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 55.831, 85.528**, and **53, 67.962, 63.571** is the 20% darker color. If you saturate the color by 10%, you get **70, 79.425, 63.223**, and if you desaturate by 10%, it is **76, 62.164, 66.860**.

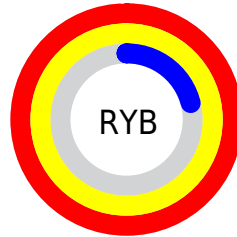
Distribution



Red (100%)

Green (61%)

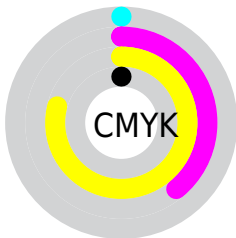
Blue (21%)



Red (99%)

Yellow (100%)

Blue (21%)

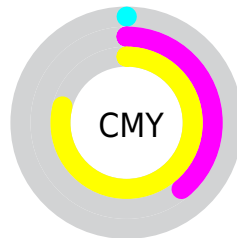


Cyan (0%)

Magenta (39%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 71.638, 65.160 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 73, 71.638, 65.160 by changing the saturation by 10% instead.

73, 71.638, 65.160

73, 71.638, 65.160

100, 71.638,
65.160

63, 71.638, 65.160

93, 71.638, 65.160

53, 71.638, 65.160

43, 71.638, 65.160

33, 71.638, 65.160

23, 71.638, 65.160

13, 71.638, 65.160

3, 71.638, 65.160

0, 71.638, 65.160

73, 71.638, 65.160

73, 71.638, 65.160

70, 79.425, 63.223

76, 62.164, 66.860

67, 84.834, 60.433

79, 52.343, 68.264

67, 85.474, 60.060

82, 42.560, 69.589

86, 33.059, 70.884

89, 23.940, 72.165

93, 15.228, 73.428

97, 6.911, 74.648

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.



73, 71.638, 65.160



63, 58.487, 275.747

Rectangle

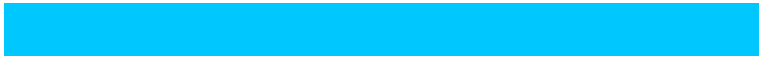
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 71.638, 65.160



73, 71.638, 115.160



73, 71.638, 245.160



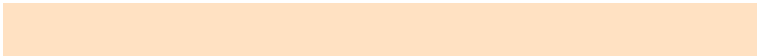
73, 71.638, 295.160

Sweetspot

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



73, 71.507, 65.261



91, 19.811, 72.759



58, 79.444, 355.126



47, 13.726, 72.307



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 71.507, 65.261



69, 82.619, 61.830



97, 89.149, 103.407



51, 4.535, 74.551



51, 68.598, 60.769



16, 27.009, 62.161

Inverse Universe

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



63, 58.487, 275.747



57, 69.635, 282.634



39, 116.220, 303.797



51, 4.437, 257.091



41, 58.701, 284.514



12, 23.877, 277.985

Previews

White Background



This preview shows how the CIELCh color 73, 71.638, 65.160 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 73, 71.638, 65.160 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 73, 71.638, 65.160

Background



This preview shows how black text looks on a background with the CIELCh color 73, 71.638, 65.160.



This preview shows how white text looks on a background with the CIELCh color 73, 71.638, 65.160.

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

73, 71.638, 65.160

Protanopia

73, 60.823, 95.394

Deuteranopia

73, 66.262, 81.833



Tritanopia
73, 43.032, 16.744

Trichromacy



Original Color
73, 71.638, 65.160

Protanomaly
73, 62.070, 82.999

Deuteranomaly
73, 67.456, 75.541

Tritanomaly
73, 48.851, 42.587

Monochromacy



Original Color
73, 71.638, 65.160

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 25.389, 71.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 71.638, 65.160 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, 155, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 54)  
}
```

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, 155, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 71.638, 65.160 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, 155, 54) }
```

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

```
.border{ border-color:rgb(255, 155, 54) }
```

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

Here you see how a box with a 4 pixel rgb(255, 155, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 71.638, 65.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 54) }
```

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

```
.background{ background-color: rgb(255,  
155, 54) }
```

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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