

Converting Colors

CIELCh(73, 71.532, 65.570)

Have a look what the booklet for
CIELCh(73, 71.532, 65.570) contains.

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Color

CIELCh(73, 71.608, 65.605)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C36
RGB	255, 156, 54
RGB Percent	100%, 61%, 21%
CMY	0.0011, 0.3892, 0.7892
CMYK	0.00, 0.39, 0.79, 0.00
HSL	30°, 100%, 60%
HSV	30°, 79%, 100%
XYZ	53.6412, 45.1644, 9.3491
YIQ	173.9730, 91.7460, -10.7340

Conversions

Conversions Part 2

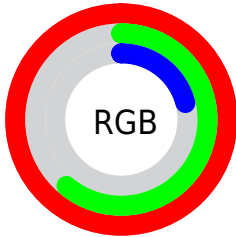
Format	Color
R_{YB}	249, 255, 54
Decimal	16751670
CIE _{Lab}	73.00, 29.58, 65.21
CIE _{LCh}	73, 71.608, 65.605
Yxy	45.1644, 0.4960, 0.4176
Android (android.graphics.Color)	4294941750 (0xFFFF9C36)
YUV	173.9730, -59.1467, 71.0607
Hunter-Lab	67.2044, 24.8672, 38.7950

Details

The CIELCh color **73, 71.608, 65.605** 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 **62, 59.023, 276.292**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 56.078, 86.073**, and **53, 67.847, 64.026** is the 20% darker color. If you saturate the color by 10%, you get **70, 79.415, 63.542**, and if you desaturate by 10%, it is **76, 62.333, 67.229**.

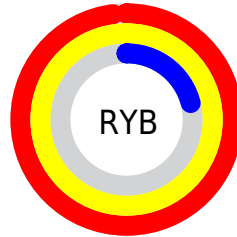
Distribution



Red (100%)

Green (61%)

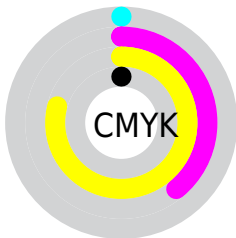
Blue (21%)



Red (98%)

Yellow (100%)

Blue (21%)

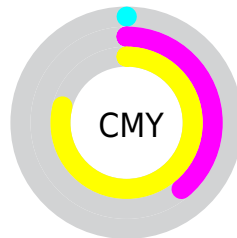


Cyan (0%)

Magenta (39%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 71.608, 65.605 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, 71.608, 65.605 by changing the saturation by 10% instead.

73, 71.608, 65.605

73, 71.608, 65.605

100, 71.608,
65.605

63, 71.608, 65.605

93, 71.608, 65.605

53, 71.608, 65.605

43, 71.608, 65.605

33, 71.608, 65.605

23, 71.608, 65.605

13, 71.608, 65.605

3, 71.608, 65.605

0, 71.608, 65.605

73, 71.608, 65.605

73, 71.608, 65.605

70, 79.415, 63.542

76, 62.333, 67.229

68, 84.714, 60.732

79, 52.550, 68.649

67, 85.242, 60.420

82, 42.785, 69.987

86, 33.289, 71.293

89, 24.163, 72.583

93, 15.437, 73.853

97, 7.102, 75.082

100, 0.100,
206.022

Harmonies

Complementary

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



73, 71.608, 65.605



62, 59.023, 276.292

Rectangle

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



73, 71.608, 65.605



73, 71.608, 115.605



73, 71.608, 245.605



73, 71.608, 295.605

Sweetspot

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



73, 71.606, 65.608



91, 19.858, 73.208



58, 79.479, 355.187



47, 13.756, 72.754



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, 71.606, 65.608



69, 82.996, 61.901



97, 89.208, 103.397



51, 4.548, 75.010



51, 68.479, 61.126



16, 27.009, 62.591

Inverse Universe

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



62, 59.023, 276.292



56, 70.977, 283.519



39, 116.400, 303.837



51, 4.452, 257.556



41, 59.208, 284.928



12, 24.063, 278.434

Previews

White Background



This preview shows how the CIELCh color 73, 71.608, 65.605 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, 71.608, 65.605 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, 71.608, 65.605

Background



This preview shows how black text looks on a background with the CIELCh color 73, 71.608, 65.605.



This preview shows how white text looks on a background with the CIELCh color 73, 71.608, 65.605.

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, 71.608, 65.605

Protanopia

73, 61.213, 95.408

Deuteranopia

73, 66.793, 81.556



Tritanopia
73, 42.630, 17.318

Trichromacy



Original Color
73, 71.608, 65.605

Protanomaly
73, 62.448, 83.083

Deuteranomaly
73, 67.792, 75.645

Tritanomaly
73, 48.851, 42.587

Monochromacy



Original Color
73, 71.608, 65.605

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, 71.608, 65.605 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, 156, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 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, 156, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 71.608, 65.605 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, 156, 54) }
```

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

```
.border{ border-color:rgb(255, 156, 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, 156, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 71.608, 65.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 54) }
```

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

```
.background{ background-color: rgb(255,  
156, 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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