

Converting Colors

CIELCh(76, 71.346, 70.999)

Have a look what the booklet for
CIELCh(76, 71.346, 70.999) contains.

CIELCh(76, 71.303, 71.315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(76, 71.303, 71.315)

Conversions

Conversions Part 1

Format	Color
Hex	FFA937
RGB	255, 169, 55
RGB Percent	100%, 66%, 22%
CMY	0.0002, 0.3374, 0.7845
CMYK	0.00, 0.34, 0.78, 0.00
HSL	34°, 100%, 61%
HSV	34°, 78%, 100%
XYZ	56.0915, 49.8872, 10.2820
YIQ	181.7180, 87.8500, -17.2220

Conversions

Conversions Part 2

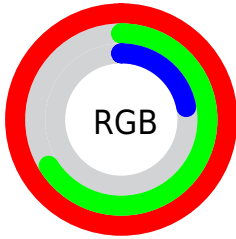
Format	Color
R _Y B	206, 255, 55
Decimal	16754999
CIE Lab	76.00, 22.84, 67.54
CIE LCh	76, 71.303, 71.315
Yxy	49.8872, 0.4825, 0.4291
Android (android.graphics.Color)	4294945079 (0xFFFFA937)
YUV	181.7180, -62.4720, 64.2683
Hunter-Lab	70.6309, 18.1517, 40.8105

Details

The CIELCh color **76, 71.303, 71.315** 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 **59, 65.357, 282.106**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 58.834, 92.560**, and **56, 67.102, 69.859** is the 20% darker color. If you saturate the color by 10%, you get **73, 78.399, 69.164**, and if you desaturate by 10%, it is **79, 62.553, 73.070**.

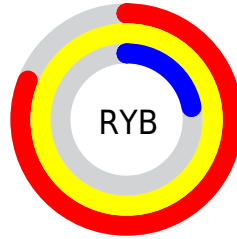
Distribution



Red (100%)

Green (66%)

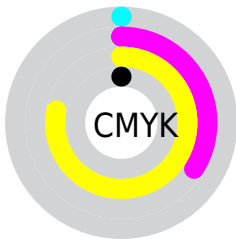
Blue (22%)



Red (81%)

Yellow (100%)

Blue (22%)

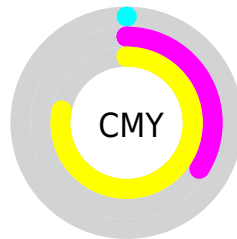


Cyan (0%)

Magenta (34%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 71.303, 71.315 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 76, 71.303, 71.315 by changing the saturation by 10% instead.

 76, 71.303, 71.315

 76, 71.303, 71.315

 100, 71.303,
71.315

 66, 71.303, 71.315

 96, 71.303, 71.315

 56, 71.303, 71.315

 46, 71.303, 71.315

 36, 71.303, 71.315

 26, 71.303, 71.315

 16, 71.303, 71.315

 6, 71.303, 71.315

 0, 71.303, 71.315

 76, 71.303, 71.315

 76, 71.303, 71.315

73, 78.399, 69.164

79, 62.553, 73.070

71, 82.868, 66.345

82, 53.086, 74.624

71, 83.464, 65.891

85, 43.455, 76.082

88, 33.943, 77.489

91, 24.681, 78.861

94, 15.719, 80.197

97, 7.065, 81.477

100, 0.019,
236.401

Harmonies

Complementary

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



76, 71.303, 71.315



59, 65.357, 282.106

Rectangle

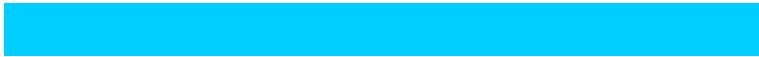
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 71.303, 71.315



76, 71.303, 121.315



76, 71.303, 251.315



76, 71.303, 301.315

Sweetspot

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



76, 71.302, 71.318



92, 20.665, 79.459



58, 77.818, 0.309



48, 14.287, 78.980



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 71.302, 71.318



72, 81.220, 67.681



96, 89.178, 106.979



52, 4.768, 81.346



54, 67.107, 66.563



17, 27.180, 68.872

Inverse Universe

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



59, 65.357, 282.106



52, 79.055, 288.598



40, 115.335, 304.427



50, 4.711, 263.937



38, 66.809, 290.312



10, 26.907, 284.337

Previews

White Background



This preview shows how the CIELCh color 76, 71.303, 71.315 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 76, 71.303, 71.315 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 76, 71.303, 71.315

Background



This preview shows how black text looks on a background with the CIELCh color 76, 71.303, 71.315.



This preview shows how white text looks on a background with the CIELCh color 76, 71.303, 71.315.

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

76, 71.303, 71.315

Protanopia

76, 64.390, 95.393

Deuteranopia

76, 68.921, 81.680



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 71.303, 71.315

Protanomaly
76, 65.239, 86.147

Deuteranomaly
76, 69.693, 77.937

Tritanomaly
76, 43.950, 46.928

Monochromacy



Original Color
76, 71.303, 71.315

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 25.938, 77.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 71.303, 71.315 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, 169, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 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(255, 169, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 71.303, 71.315 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, 169, 55) }
```

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

```
.border{ border-color:rgb(255, 169, 55) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 71.303, 71.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 55) }
```

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

```
.background{ background-color: rgb(255,  
169, 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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