

Converting Colors

CIELCh(76, 77.423, 73.121)

Have a look what the booklet for
CIELCh(76, 77.423, 73.121) contains.

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Color

CIELCh(76, 77.361, 73.272)

Conversions

Conversions Part 1

Format	Color
Hex	FFA922
RGB	255, 169, 34
RGB Percent	100%, 66%, 13%
CMY	0.0000, 0.3363, 0.8654
CMYK	0.00, 0.34, 0.87, 0.00
HSL	37°, 100%, 57%
HSV	37°, 87%, 100%
XYZ	55.8606, 49.8872, 8.2216
YIQ	179.3240, 94.5910, -23.7530

Conversions

Conversions Part 2

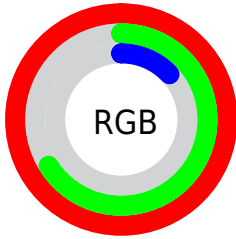
Format	Color
RYB	175, 255, 34
Decimal	16754978
CIELab	76.00, 22.27, 74.09
CIElCh	76, 77.361, 73.272
Yxy	49.8872, 0.4901, 0.4377
Android (android.graphics.Color)	4294945058 (0xFFFFA922)
YUV	179.3240, -71.6447, 66.3679
Hunter-Lab	70.6309, 17.5681, 42.5401

Details

The CIELCh color **76, 77.361, 73.272** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **53, 77.859, 288.709**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 65.741, 93.220**, and **56, 66.813, 70.166** is the 20% darker color. If you saturate the color by 10%, you get **74, 81.676, 70.725**, and if you desaturate by 10%, it is **78, 70.255, 75.392**.

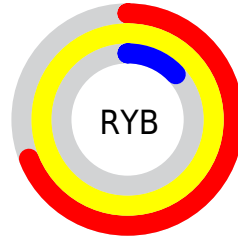
Distribution



Red (100%)

Green (66%)

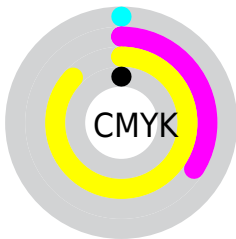
Blue (13%)



Red (69%)

Yellow (100%)

Blue (13%)

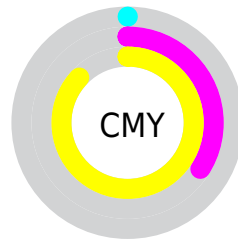


Cyan (0%)

Magenta (34%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 77.361, 73.272 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, 77.361, 73.272 by changing the saturation by 10% instead.

 76, 77.361, 73.272

 76, 77.361, 73.272

 100, 77.361,
73.272

 66, 77.361, 73.272

 96, 77.361, 73.272

 56, 77.361, 73.272

 46, 77.361, 73.272

 36, 77.361, 73.272

 26, 77.361, 73.272

 16, 77.361, 73.272

 6, 77.361, 73.272

 0, 77.361, 73.272

 76, 77.361, 73.272

 76, 77.361, 73.272

74, 81.676, 70.725

78, 70.255, 75.392

73, 82.762, 69.732

81, 61.610, 77.116

84, 52.222, 78.675

86, 42.610, 80.148

89, 33.050, 81.569

92, 23.676, 82.950

95, 14.542, 84.287

98, 5.664, 85.556

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.



76, 77.361, 73.272



53, 77.859, 288.709

Rectangle

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



76, 77.361, 73.272



76, 77.361, 123.272



76, 77.361, 253.272



76, 77.361, 303.272

Sweetspot

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



76, 77.292, 73.345



92, 23.172, 83.024



56, 81.204, 6.224



48, 15.786, 82.551



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, 77.292, 73.345



73, 82.762, 69.732



96, 93.925, 108.699



52, 4.944, 85.193



56, 66.601, 70.361



18, 27.477, 72.990

Inverse Universe

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



53, 77.859, 288.709



47, 91.067, 294.000



36, 124.444, 305.803



50, 4.911, 267.767



35, 72.005, 293.298



9, 28.908, 287.678

Previews

White Background



This preview shows how the CIELCh color 76, 77.361, 73.272 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, 77.361, 73.272 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, 77.361, 73.272

Background



This preview shows how black text looks on a background with the CIELCh color 76, 77.361, 73.272.



This preview shows how white text looks on a background with the CIELCh color 76, 77.361, 73.272.

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, 77.361, 73.272

Protanopia

76, 71.292, 95.180

Deuteranopia

76, 75.379, 82.542



Tritanopia
76, 37.295, 14.855

Trichromacy



Original Color
76, 77.361, 73.272

Protanomaly
76, 72.035, 86.742

Deuteranomaly
76, 76.022, 79.083

Tritanomaly
76, 46.572, 50.986

Monochromacy



Original Color
76, 77.361, 73.272

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 29.833, 80.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 77.361, 73.272 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 77.361, 73.272 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, 34) }
```

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

```
.border{ border-color:rgb(255, 169, 34) }
```

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, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 77.361, 73.272 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, 34) }
```

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

```
.background{ background-color: rgb(255,  
169, 34) }
```

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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