

Converting Colors

CIELCh(76, 78.553, 73.258)

Have a look what the booklet for
CIELCh(76, 78.553, 73.258) contains.

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Color

CIELCh(76, 78.271, 73.532)

Conversions

Conversions Part 1

Format	Color
Hex	FFA91E
RGB	255, 169, 30
RGB Percent	100%, 66%, 12%
CMY	0.0000, 0.3362, 0.8808
CMYK	0.00, 0.34, 0.88, 0.00
HSL	37°, 100%, 56%
HSV	37°, 88%, 100%
XYZ	55.8292, 49.8872, 7.9410
YIQ	178.8680, 95.8750, -24.9970

Conversions

Conversions Part 2

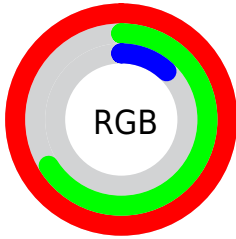
Format	Color
RYB	169, 255, 30
Decimal	16754974
CIELab	76.00, 22.19, 75.06
CIELCh	76, 78.271, 73.532
Yxy	49.8872, 0.4912, 0.4389
Android (android.graphics.Color)	4294945054 (0xFFFFA91E)
YUV	178.8680, -73.3919, 66.7678
Hunter-Lab	70.6309, 17.4888, 42.7757

Details

The CIELCh color **76, 78.271, 73.532** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **52, 80.307, 289.827**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 66.568, 93.283**, and **56, 66.813, 70.166** is the 20% darker color. If you saturate the color by 10%, you get **74, 82.088, 70.930**, and if you desaturate by 10%, it is **78, 71.574, 75.723**.

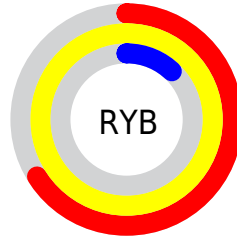
Distribution



Red (100%)

Green (66%)

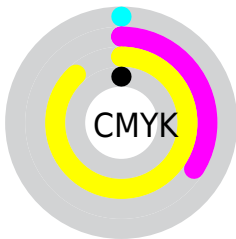
Blue (12%)



Red (66%)

Yellow (100%)

Blue (12%)

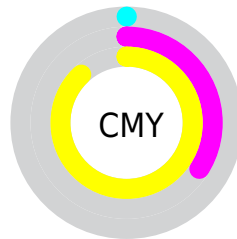


Cyan (0%)

Magenta (34%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 78.271, 73.532 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, 78.271, 73.532 by changing the saturation by 10% instead.

 76, 78.271, 73.532

 76, 78.271, 73.532

 100, 78.271,
73.532

 66, 78.271, 73.532

 96, 78.271, 73.532

 56, 78.271, 73.532

 46, 78.271, 73.532

 36, 78.271, 73.532

 26, 78.271, 73.532

 16, 78.271, 73.532

 6, 78.271, 73.532

 0, 78.271, 73.532

 76, 78.271, 73.532

 76, 78.271, 73.532

74, 82.088, 70.930

78, 71.574, 75.723

73, 82.685, 70.389

81, 63.162, 77.482

83, 53.870, 79.060

86, 44.271, 80.544

89, 34.676, 81.973

92, 25.237, 83.360

95, 16.024, 84.704

98, 7.057, 85.989

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, 78.271, 73.532



52, 80.307, 289.827

Rectangle

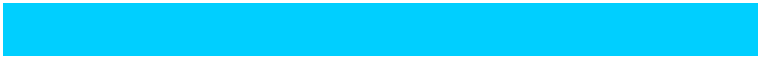
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 78.271, 73.532



76, 78.271, 123.532



76, 78.271, 253.532



76, 78.271, 303.532

Sweetspot

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



76, 78.192, 73.616



92, 23.300, 83.643



56, 81.805, 8.393



48, 15.870, 83.171



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, 78.192, 73.616



73, 82.685, 70.389



95, 94.765, 109.636



52, 4.976, 85.812



56, 66.550, 71.009



18, 27.541, 73.673

Inverse Universe

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



52, 80.307, 289.827



47, 92.177, 294.454



36, 125.702, 306.085



50, 4.946, 268.380



35, 72.883, 293.760



9, 29.252, 288.200

Previews

White Background



This preview shows how the CIELCh color 76, 78.271, 73.532 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, 78.271, 73.532 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, 78.271, 73.532

Background



This preview shows how black text looks on a background with the CIELCh color 76, 78.271, 73.532.



This preview shows how white text looks on a background with the CIELCh color 76, 78.271, 73.532.

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, 78.271, 73.532

Protanopia

76, 72.085, 95.192

Deuteranopia

76, 76.355, 82.704



Tritanopia
76, 37.295, 14.855

Trichromacy



Original Color
76, 78.271, 73.532

Protanomaly
76, 72.800, 86.836

Deuteranomaly
76, 76.855, 79.258

Tritanomaly
76, 46.915, 51.455

Monochromacy



Original Color
76, 78.271, 73.532

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 30.318, 81.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 78.271, 73.532 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 78.271, 73.532 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, 30) }
```

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

```
.border{ border-color:rgb(255, 169, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 78.271, 73.532 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, 30) }
```

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

```
.background{ background-color: rgb(255,  
169, 30) }
```

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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