

Converting Colors

CIELCh(76, 79.160, 73.230)

Have a look what the booklet for
CIELCh(76, 79.160, 73.230) contains.

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Color

CIELCh(76, 78.896, 73.706)

Conversions

Conversions Part 1

Format	Color
Hex	FFA91B
RGB	255, 169, 27
RGB Percent	100%, 66%, 11%
CMY	0.0000, 0.3361, 0.8923
CMYK	0.00, 0.34, 0.89, 0.00
HSL	37°, 100%, 55%
HSV	37°, 89%, 100%
XYZ	55.8082, 49.8872, 7.7523
YIQ	178.5260, 96.8380, -25.9300

Conversions

Conversions Part 2

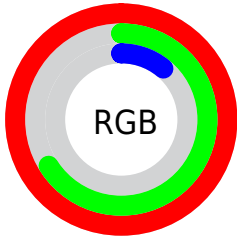
Format	Color
RYB	165, 255, 27
Decimal	16754971
CIELab	76.00, 22.14, 75.73
CIELCh	76, 78.896, 73.706
Yxy	49.8872, 0.4919, 0.4397
Android (android.graphics.Color)	4294945051 (0xFFFFA91B)
YUV	178.5260, -74.7023, 67.0677
Hunter-Lab	70.6309, 17.4355, 42.9341

Details

The CIELCh color **76, 78.896, 73.706** 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 **51, 82.151, 290.638**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 67.385, 93.342**, and **56, 66.813, 70.166** is the 20% darker color. If you saturate the color by 10%, you get **74, 82.400, 71.080**, and if you desaturate by 10%, it is **78, 72.525, 75.951**.

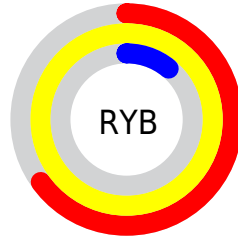
Distribution



Red (100%)

Green (66%)

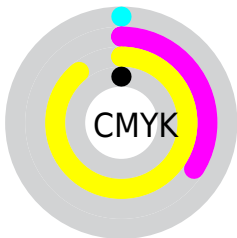
Blue (11%)



Red (65%)

Yellow (100%)

Blue (11%)

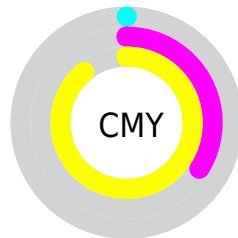


Cyan (0%)

Magenta (34%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 78.896, 73.706 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, 78.896, 73.706 by changing the saturation by 10% instead.

76, 78.896, 73.706

76, 78.896, 73.706

100, 78.896,
73.706

66, 78.896, 73.706

96, 78.896, 73.706

56, 78.896, 73.706

46, 78.896, 73.706

36, 78.896, 73.706

26, 78.896, 73.706

16, 78.896, 73.706

6, 78.896, 73.706

0, 78.896, 73.706

76, 78.896, 73.706

76, 78.896, 73.706

74, 82.400, 71.080

78, 72.525, 75.951

74, 82.638, 70.867

81, 64.304, 77.736

83, 55.096, 79.328

86, 45.515, 80.821

89, 35.898, 82.256

91, 26.416, 83.647

94, 17.145, 84.996

97, 8.113, 86.289

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, 78.896, 73.706



51, 82.151, 290.638

Rectangle

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



76, 78.896, 73.706



76, 78.896, 123.706



76, 78.896, 253.706



76, 78.896, 303.706

Sweetspot

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



76, 78.810, 73.797



92, 24.327, 83.952



55, 82.228, 8.928



48, 16.466, 83.484



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, 78.810, 73.797



74, 82.638, 70.867



95, 95.211, 109.661



52, 4.999, 86.255



56, 66.519, 71.480



18, 27.590, 74.166

Inverse Universe

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



51, 82.151, 290.638



46, 92.980, 294.775



36, 126.715, 306.172



50, 4.972, 268.818



35, 73.519, 294.087



9, 29.501, 288.571

Previews

White Background



This preview shows how the CIELCh color 76, 78.896, 73.706 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, 78.896, 73.706 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, 78.896, 73.706

Background



This preview shows how black text looks on a background with the CIELCh color 76, 78.896, 73.706.



This preview shows how white text looks on a background with the CIELCh color 76, 78.896, 73.706.

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, 78.896, 73.706

Protanopia

76, 72.828, 95.202

Deuteranopia

76, 77.028, 82.813



Tritanopia
76, 37.295, 14.855

Trichromacy



Original Color
76, 78.896, 73.706

Protanomaly
76, 73.514, 86.921

Deuteranomaly
76, 77.596, 79.410

Tritanomaly
76, 47.262, 51.917

Monochromacy



Original Color
76, 78.896, 73.706

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 30.804, 81.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 78.896, 73.706 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 78.896, 73.706 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, 27) }
```

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

```
.border{ border-color:rgb(255, 169, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 78.896, 73.706 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, 27) }
```

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

```
.background{ background-color: rgb(255,  
169, 27) }
```

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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