

Converting Colors

CIELCh(77, 82.628, 76.971)

Have a look what the booklet for
CIELCh(77, 82.628, 76.971) contains.

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Color

CIELCh(77, 82.367, 76.794)

Conversions

Conversions Part 1

Format	Color
Hex	FEAE01
RGB	254, 174, 1
RGB Percent	100%, 68%, 0%
CMY	0.0025, 0.3164, 0.9965
CMYK	0.00, 0.31, 1.00, 0.00
HSL	41°, 99%, 50%
HSV	41°, 100%, 100%
XYZ	56.2057, 51.5317, 7.0094
YIQ	178.1980, 103.2130, -36.8430

Conversions

Conversions Part 2

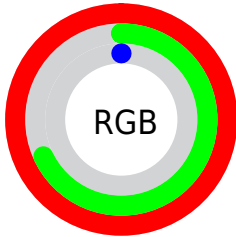
Format	Color
R _Y B	118, 254, 1
Decimal	16690689
CIE Lab	77.00, 18.82, 80.19
CIE LCh	77, 82.367, 76.794
Yxy	51.5317, 0.4898, 0.4491
Android (android.graphics.Color)	4294880769 (0xFFFEAE01)
YUV	178.1980, -87.3586, 66.4784
Hunter-Lab	71.7856, 14.1346, 44.4607

Details

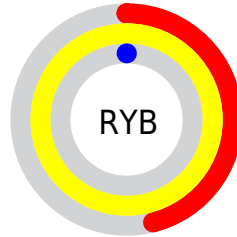
The CIELCh color **77, 82.367, 76.794** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **43, 102.012, 298.127**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 72.410, 95.483**, and **57, 66.393, 72.932** is the 20% darker color. If you saturate the color by 10%, you get **77, 82.448, 76.710**, and if you desaturate by 10%, it is **79, 79.540, 79.212**.

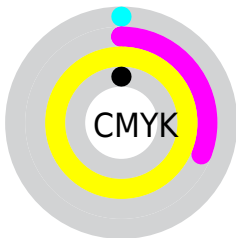
Distribution



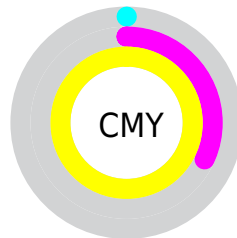
- Red (100%)
- Green (68%)
- Blue (0%)



- Red (46%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 82.367, 76.794 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 77, 82.367, 76.794 by changing the saturation by 10% instead.

 77, 82.367, 76.794

 77, 82.367, 76.794

 100, 82.367,
76.794

 67, 82.367, 76.794

 97, 82.367, 76.794

 57, 82.367, 76.794

 47, 82.367, 76.794

 37, 82.367, 76.794

 27, 82.367, 76.794

 17, 82.367, 76.794

 7, 82.367, 76.794

 0, 82.367, 76.794

 77, 82.367, 76.794

 77, 82.367, 76.794

77, 82.448, 76.710

79, 79.540, 79.212

81, 73.978, 81.201

83, 66.242, 82.902

85, 57.261, 84.446

88, 47.687, 85.906

90, 37.910, 87.313

92, 28.138, 88.679

95, 18.479, 90.002

97, 8.982, 91.273

Harmonies

Complementary

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



77, 82.367, 76.794



43, 102.012, 298.127

Rectangle

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



77, 82.367, 76.794



77, 82.367, 126.794



77, 82.367, 256.794



77, 82.367, 306.794

Sweetspot

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



77, 82.365, 76.797



92, 28.538, 88.631



54, 87.240, 20.628



48, 19.535, 88.060



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 82.365, 76.797



77, 82.605, 76.706



94, 98.890, 113.958



52, 5.302, 91.290



59, 66.571, 77.225



19, 28.340, 79.973

Inverse Universe

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



43, 102.012, 298.127



43, 102.597, 298.242



34, 131.880, 306.999



50, 5.311, 273.774



32, 81.170, 297.634



8, 32.576, 292.650

Previews

White Background



This preview shows how the CIELCh color 77, 82.367, 76.794 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 77, 82.367, 76.794 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 77, 82.367, 76.794

Background



This preview shows how black text looks on a background with the CIELCh color 77, 82.367, 76.794.



This preview shows how white text looks on a background with the CIELCh color 77, 82.367, 76.794.

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

77, 82.263, 76.771

Protanopia

77, 77.045, 95.015

Deuteranopia

77, 80.248, 83.129



Tritanopia
77, 35.129, 14.076

Trichromacy



Original Color
77, 82.263, 76.771

Protanomaly
77, 77.830, 88.225

Deuteranomaly
77, 80.978, 80.908

Tritanomaly
77, 49.492, 58.329

Monochromacy



Original Color
77, 82.263, 76.771

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 36.090, 86.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 82.367, 76.794 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(254, 174, 1)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 1)  
}
```

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(254, 174, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 82.367, 76.794 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(254, 174, 1) }
```

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

```
.border{ border-color:rgb(254, 174, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 174, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 1);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 82.367, 76.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 1) }
```

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

```
.background{ background-color: rgb(254,  
174, 1) }
```

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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