

Converting Colors

CIELCh(77, 76.379, 74.743)

Have a look what the booklet for
CIELCh(77, 76.379, 74.743) contains.

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Color

CIELCh(77, 76.293, 74.983)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE27
RGB	255, 174, 39
RGB Percent	100%, 68%, 15%
CMY	0.0011, 0.3186, 0.8482
CMYK	0.00, 0.32, 0.85, 0.00
HSL	38°, 100%, 58%
HSV	38°, 85%, 100%
XYZ	56.5886, 51.5317, 8.8570
YIQ	182.8290, 91.6110, -24.8130

Conversions

Conversions Part 2

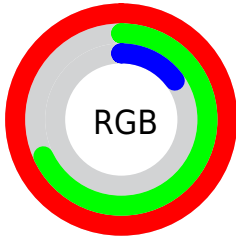
Format	Color
RYB	169, 255, 39
Decimal	16756263
CIELab	77.00, 19.77, 73.69
CIELCh	77, 76.293, 74.983
Yxy	51.5317, 0.4838, 0.4405
Android (android.graphics.Color)	4294946343 (0xFFFFAE27)
YUV	182.8290, -70.9077, 63.2940
Hunter-Lab	71.7856, 15.0868, 42.9347

Details

The CIELCh color **77, 76.293, 74.983** 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, 77.920, 289.037**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 65.614, 95.206**, and **57, 66.932, 72.284** is the 20% darker color. If you saturate the color by 10%, you get **75, 81.020, 72.524**, and if you desaturate by 10%, it is **79, 69.041, 76.946**.

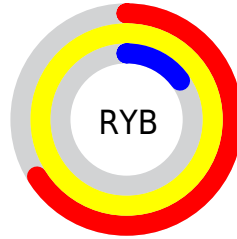
Distribution



Red (100%)

Green (68%)

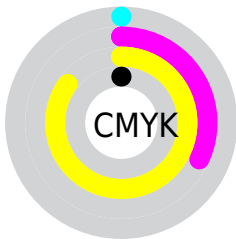
Blue (15%)



Red (66%)

Yellow (100%)

Blue (15%)

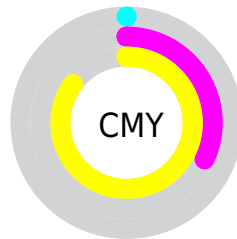


Cyan (0%)

Magenta (32%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 76.293, 74.983 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, 76.293, 74.983 by changing the saturation by 10% instead.

77, 76.293, 74.983

77, 76.293, 74.983

100, 76.293,
74.983

67, 76.293, 74.983

97, 76.293, 74.983

57, 76.293, 74.983

47, 76.293, 74.983

37, 76.293, 74.983

27, 76.293, 74.983

17, 76.293, 74.983

7, 76.293, 74.983

0, 76.293, 74.983

77, 76.293, 74.983

77, 76.293, 74.983

75, 81.020, 72.524

79, 69.041, 76.946

74, 82.552, 71.053

82, 60.304, 78.628

84, 50.887, 80.169

87, 41.267, 81.632

90, 31.697, 83.047

93, 22.301, 84.419

96, 13.130, 85.746

98, 4.199, 86.988

100, 0.097,
206.259

Harmonies

Complementary

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



77, 76.293, 74.983



53, 77.920, 289.037

Rectangle

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



77, 76.293, 74.983



77, 76.293, 124.983



77, 76.293, 254.983



77, 76.293, 304.983

Sweetspot

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



77, 76.292, 74.986



93, 22.500, 84.393



56, 80.394, 6.938



48, 15.422, 83.915



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, 76.292, 74.986



74, 82.621, 71.051



95, 93.212, 109.588



52, 5.008, 86.424



57, 66.508, 71.661



18, 27.609, 74.356

Inverse Universe

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



53, 77.920, 289.037



46, 93.289, 294.897



37, 122.357, 305.788



50, 4.983, 268.986



35, 73.764, 294.212



9, 29.598, 288.713

Previews

White Background



This preview shows how the CIELCh color 77, 76.293, 74.983 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, 76.293, 74.983 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, 76.293, 74.983

Background



This preview shows how black text looks on a background with the CIELCh color 77, 76.293, 74.983.



This preview shows how white text looks on a background with the CIELCh color 77, 76.293, 74.983.

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, 76.293, 74.983

Protanopia

77, 71.212, 95.285

Deuteranopia

77, 74.709, 82.583



Tritanopia
77, 35.561, 13.385

Trichromacy



Original Color
77, 76.293, 74.983

Protanomaly
77, 71.988, 87.633

Deuteranomaly
77, 75.095, 79.739

Tritanomaly
77, 44.450, 51.516

Monochromacy



Original Color
77, 76.293, 74.983

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 29.081, 83.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 76.293, 74.983 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, 174, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 39)  
}
```

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, 174, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 76.293, 74.983 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, 174, 39) }
```

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

```
.border{ border-color:rgb(255, 174, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 76.293, 74.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 39) }
```

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

```
.background{ background-color: rgb(255,  
174, 39) }
```

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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