

Converting Colors

CIELCh(77, 74.231, 74.132)

Have a look what the booklet for
CIELCh(77, 74.231, 74.132) contains.

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Color

CIELCh(77, 74.296, 74.005)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD2E
RGB	255, 173, 46
RGB Percent	100%, 68%, 18%
CMY	0.0000, 0.3203, 0.8182
CMYK	0.00, 0.32, 0.82, 0.00
HSL	37°, 100%, 59%
HSV	37°, 82%, 100%
XYZ	56.8735, 51.5317, 9.5707
YIQ	183.0400, 89.6390, -22.1130

Conversions

Conversions Part 2

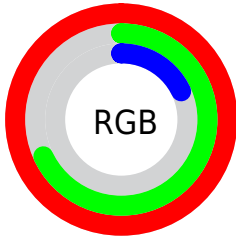
Format	Color
R _Y B	181, 255, 46
Decimal	16756014
CIE Lab	77.00, 20.47, 71.42
CIE LCh	77, 74.296, 74.005
Yxy	51.5317, 0.4821, 0.4368
Android (android.graphics.Color)	4294946094 (0xFFFFAD2E)
YUV	183.0400, -67.5607, 63.1089
Hunter-Lab	71.7856, 15.7951, 42.3452

Details

The CIELCh color **77, 74.296, 74.005** 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 **55, 72.936, 286.615**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 63.166, 94.657**, and **57, 66.954, 71.797** is the 20% darker color. If you saturate the color by 10%, you get **75, 79.992, 71.787**, and if you desaturate by 10%, it is **79, 66.253, 75.977**.

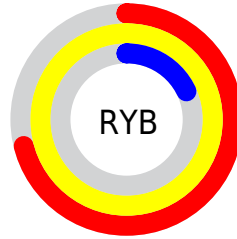
Distribution



Red (100%)

Green (68%)

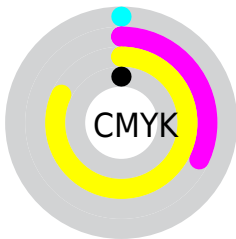
Blue (18%)



Red (71%)

Yellow (100%)

Blue (18%)

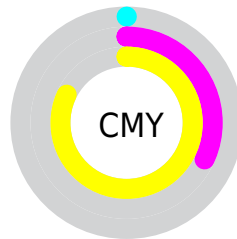


Cyan (0%)

Magenta (32%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 74.296, 74.005 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, 74.296, 74.005 by changing the saturation by 10% instead.

77, 74.296, 74.005

77, 74.296, 74.005

100, 74.296,
74.005

67, 74.296, 74.005

97, 74.296, 74.005

57, 74.296, 74.005

47, 74.296, 74.005

37, 74.296, 74.005

27, 74.296, 74.005

17, 74.296, 74.005

7, 74.296, 74.005

0, 74.296, 74.005

77, 74.296, 74.005

77, 74.296, 74.005

75, 79.992, 71.787

79, 66.253, 75.977

73, 82.798, 69.459

82, 57.157, 77.608

85, 47.612, 79.120

88, 38.005, 80.565

90, 28.532, 81.967

93, 19.283, 83.328

96, 10.288, 84.640

99, 1.552, 85.739

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.



77, 74.296, 74.005



55, 72.936, 286.615

Rectangle

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



77, 74.296, 74.005



77, 74.296, 124.005



77, 74.296, 254.005



77, 74.296, 304.005

Sweetspot

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



77, 74.205, 74.107



92, 22.197, 82.899



57, 79.144, 4.288



48, 15.222, 82.421



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, 74.205, 74.107



73, 82.149, 70.030



96, 91.521, 108.693



52, 4.931, 84.933



56, 66.625, 70.091



18, 27.452, 72.705

Inverse Universe

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



55, 72.936, 286.615



48, 88.639, 293.062



39, 119.275, 305.276



50, 4.896, 267.509



36, 71.639, 293.102



9, 28.766, 287.457

Previews

White Background



This preview shows how the CIELCh color 77, 74.296, 74.005 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, 74.296, 74.005 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, 74.296, 74.005

Background



This preview shows how black text looks on a background with the CIELCh color 77, 74.296, 74.005.



This preview shows how white text looks on a background with the CIELCh color 77, 74.296, 74.005.

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, 74.296, 74.005

Protanopia

77, 68.743, 95.236

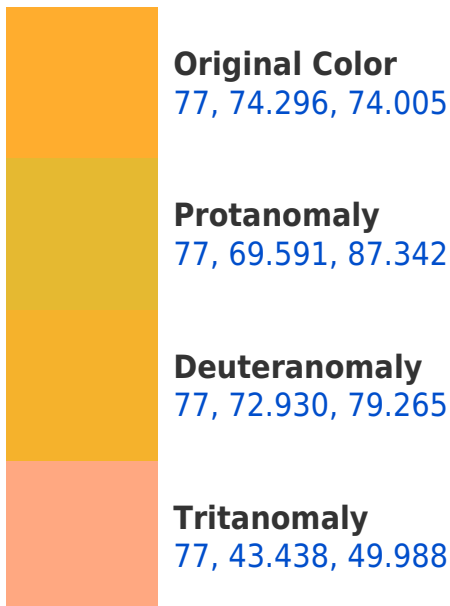
Deuteranopia

77, 72.578, 82.199



Tritanopia
77, 35.561, 13.385

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 74.296, 74.005 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, 173, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 46)  
}
```

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, 173, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 74.296, 74.005 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, 173, 46) }
```

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

```
.border{ border-color:rgb(255, 173, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 74.296, 74.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 46) }
```

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

```
.background{ background-color: rgb(255,  
173, 46) }
```

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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