

Converting Colors

CIELCh(77, 61.091, 68.900)

Have a look what the booklet for
CIELCh(77, 61.091, 68.900) contains.

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Color

CIELCh(77, 61.091, 68.900)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD53
RGB	255, 173, 83
RGB Percent	100%, 68%, 33%
CMY	0.0018, 0.3231, 0.6760
CMYK	0.00, 0.32, 0.68, 0.00
HSL	31°, 99%, 66%
HSV	31°, 68%, 100%
XYZ	57.4912, 51.5317, 15.0244
YIQ	187.2580, 77.7620, -10.6060

Conversions

Conversions Part 2

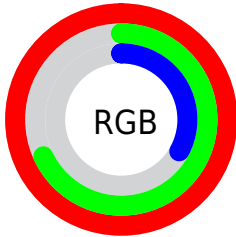
Format	Color
R _Y B	240, 255, 83
Decimal	16756051
CIE Lab	77.00, 21.99, 57.00
CIE LCh	77, 61.091, 68.900
Yxy	51.5317, 0.4635, 0.4154
Android (android.graphics.Color)	4294946131 (0xFFFFAD53)
YUV	187.2580, -51.3992, 59.4097
Hunter-Lab	71.7856, 17.3312, 37.8408

Details

The CIELCh color **77, 61.091, 68.900** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **66, 52.073, 273.397**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 48.466, 93.556**, and **57, 61.328, 68.593** is the 20% darker color. If you saturate the color by 10%, you get **74, 70.328, 67.271**, and if you desaturate by 10%, it is **80, 51.378, 70.354**.

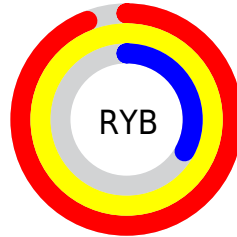
Distribution



Red (100%)

Green (68%)

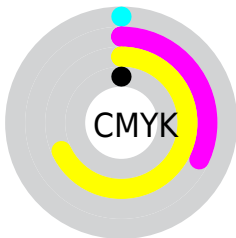
Blue (33%)



Red (94%)

Yellow (100%)

Blue (33%)

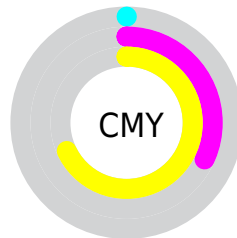


Cyan (0%)

Magenta (32%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 61.091, 68.900 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, 61.091, 68.900 by changing the saturation by 10% instead.

77, 61.091, 68.900

77, 61.091, 68.900

100, 61.091,
68.900

67, 61.091, 68.900

97, 61.091, 68.900

57, 61.091, 68.900

47, 61.091, 68.900

37, 61.091, 68.900

27, 61.091, 68.900

17, 61.091, 68.900

7, 61.091, 68.900

0, 61.091, 68.900

77, 61.091, 68.900

77, 61.091, 68.900

74, 70.328, 67.271

80, 51.378, 70.354

71, 78.199, 65.238

83, 41.682, 71.726

69, 83.554, 62.478

87, 32.237, 73.063

68, 84.658, 61.760

90, 23.140, 74.378

94, 14.418, 75.668

97, 6.063, 76.904

100, 0.155,
203.665

Harmonies

Complementary

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



77, 61.091, 68.900



66, 52.073, 273.397

Rectangle

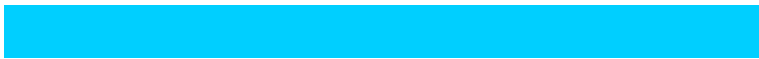
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 61.091, 68.900



77, 61.091, 118.900



77, 61.091, 248.900



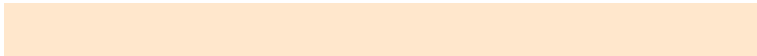
77, 61.091, 298.900

Sweetspot

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



77, 61.090, 68.904



93, 16.553, 75.353



62, 71.863, 353.491



49, 11.363, 74.992



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, 61.090, 68.904



73, 73.369, 66.627



97, 80.393, 104.886



51, 4.598, 76.670



52, 68.069, 62.459



16, 27.020, 64.177

Inverse Universe

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



66, 52.073, 273.397



61, 62.305, 278.808



46, 99.649, 301.704



50, 4.512, 259.237



40, 61.090, 286.400



11, 24.758, 280.034

Previews

White Background



This preview shows how the CIELCh color 77, 61.091, 68.900 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, 61.091, 68.900 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, 61.091, 68.900

Background



This preview shows how black text looks on a background with the CIELCh color 77, 61.091, 68.900.



This preview shows how white text looks on a background with the CIELCh color 77, 61.091, 68.900.

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, 61.091, 68.900

Protanopia

77, 53.770, 95.861

Deuteranopia

77, 58.367, 80.398



Tritanopia
77, 35.561, 13.385

Trichromacy



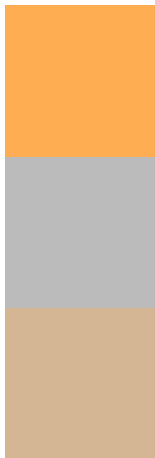
Original Color
77, 61.091, 68.900

Protanomaly
77, 54.663, 85.018

Deuteranomaly
77, 59.092, 75.995

Tritanomaly
77, 39.490, 42.386

Monochromacy



Original Color
77, 61.091, 68.900

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 21.619, 74.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 61.091, 68.900 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 61.091, 68.900 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, 83) }
```

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

```
.border{ border-color:rgb(255, 173, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 61.091, 68.900 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, 83) }
```

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

```
.background{ background-color: rgb(255,  
173, 83) }
```

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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