

Converting Colors

CIELCh(77, 61.166, 70.687)

Have a look what the booklet for
CIELCh(77, 61.166, 70.687) contains.

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Color

CIELCh(77, 61.083, 70.759)

Conversions

Conversions Part 1

Format	Color
Hex	FCAE51
RGB	252, 174, 81
RGB Percent	99%, 68%, 32%
CMY	0.0120, 0.3178, 0.6825
CMYK	0.00, 0.31, 0.68, 0.01
HSL	33°, 97%, 65%
HSV	33°, 68%, 99%
XYZ	56.7347, 51.5317, 14.7316
YIQ	186.7200, 76.3410, -12.3870

Conversions

Conversions Part 2

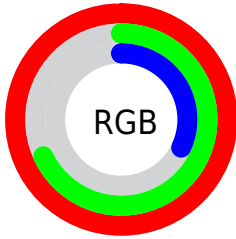
Format	Color
R _Y B	224, 252, 81
Decimal	16559697
CIE Lab	77.00, 20.13, 57.67
CIE LCh	77, 61.083, 70.759
Yxy	51.5317, 0.4613, 0.4190
Android (android.graphics.Color)	4294749777 (0xFFFCAE51)
YUV	186.7200, -52.1200, 57.2506
Hunter-Lab	71.7856, 15.4499, 38.0826

Details

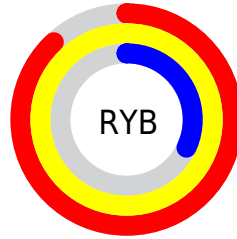
The CIELCh color **77, 61.083, 70.759** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **65, 53.572, 275.569**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 49.756, 94.255**, and **57, 61.003, 70.933** is the 20% darker color. If you saturate the color by 10%, you get **74, 70.036, 69.071**, and if you desaturate by 10%, it is **80, 51.562, 72.264**.

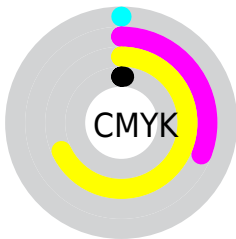
Distribution



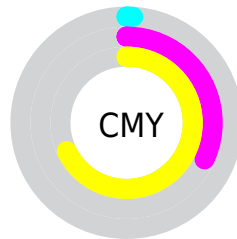
- Red (99%)
- Green (68%)
- Blue (32%)



- Red (88%)
- Yellow (99%)
- Blue (32%)



- Cyan (0%)
- Magenta (31%)
- Yellow (68%)
- Black (1%)



- Cyan (1%)
- Magenta (32%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 61.083, 70.759 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, 61.083, 70.759 by changing the saturation by 10% instead.

77, 61.083, 70.759

77, 61.083, 70.759

100, 61.083,
70.759

67, 61.083, 70.759

97, 61.083, 70.759

57, 61.083, 70.759

47, 61.083, 70.759

37, 61.083, 70.759

27, 61.083, 70.759

17, 61.083, 70.759

7, 61.083, 70.759

0, 61.083, 70.759

77, 61.083, 70.759

77, 61.083, 70.759

74, 70.036, 69.071

80, 51.562, 72.264

71, 77.524, 66.981

83, 41.984, 73.679

69, 82.475, 64.189

86, 32.601, 75.052

68, 83.368, 63.567

89, 23.521, 76.395

93, 14.780, 77.709

96, 6.377, 78.967

100, 0.905,
220.048

100, 1.062,
199.962

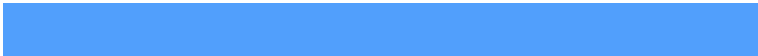
Harmonies

Complementary

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



77, 61.083, 70.759



65, 53.572, 275.569

Rectangle

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



77, 61.083, 70.759



77, 61.083, 120.759



77, 61.083, 250.759



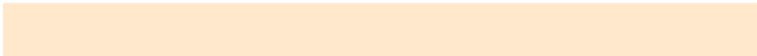
77, 61.083, 300.759

Sweetspot

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



77, 61.082, 70.762



93, 16.779, 77.430



61, 71.067, 354.747



49, 11.512, 77.062



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, 61.082, 70.762



74, 73.301, 68.463



96, 80.052, 105.712



50, 4.592, 78.770



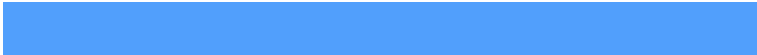
52, 66.917, 64.271



16, 25.898, 66.135

Inverse Universe

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



65, 53.572, 275.569



59, 64.580, 280.787



46, 99.238, 302.025



49, 4.520, 261.349



38, 62.884, 288.153



10, 24.829, 281.620

Previews

White Background



This preview shows how the CIELCh color 77, 61.083, 70.759 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, 61.083, 70.759 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, 61.083, 70.759

Background



This preview shows how black text looks on a background with the CIELCh color 77, 61.083, 70.759.



This preview shows how white text looks on a background with the CIELCh color 77, 61.083, 70.759.

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, 61.083, 70.759

Protanopia

77, 54.672, 95.915

Deuteranopia

77, 58.997, 80.144



Tritanopia
77, 35.569, 12.535

Trichromacy



Original Color
77, 61.083, 70.759

Protanomaly
77, 55.614, 86.215

Deuteranomaly
77, 59.264, 76.507

Tritanomaly
77, 39.092, 42.575

Monochromacy



Original Color
77, 61.083, 70.759

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 21.841, 75.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 61.083, 70.759 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(252, 174, 81)` looks like.

```
.text, #text, p{  
    color:rgb(252, 174, 81)  
}
```

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(252, 174, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 174, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 61.083, 70.759 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(252, 174, 81) }
```

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

```
.border{ border-color:rgb(252, 174, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 174, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 174, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 174, 81);  
box-shadow:4px 4px 4px 4px rgb(252, 174,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 61.083, 70.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 174, 81) }
```

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

```
.background{ background-color: rgb(252,  
174, 81) }
```

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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