

Converting Colors

CIELCh(83, 81.836, 58.411)

Have a look what the booklet for
CIELCh(83, 81.836, 58.411) contains.

CIELCh(77, 65.291, 69.858)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 65.291, 69.858)

Conversions

Conversions Part 1

Format	Color
Hex	FFAC49
RGB	255, 172, 73
RGB Percent	100%, 67%, 29%
CMY	0.0000, 0.3250, 0.7134
CMYK	0.00, 0.33, 0.71, 0.00
HSL	33°, 100%, 64%
HSV	33°, 71%, 100%
XYZ	57.6914, 51.5317, 13.2249
YIQ	185.5310, 81.2470, -13.1930

Conversions

Conversions Part 2

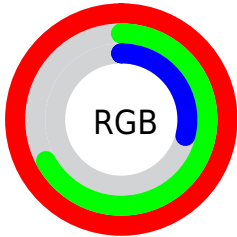
Format	Color
R_{YB}	226, 255, 73
Decimal	16755785
CIE _{Lab}	77.00, 22.48, 61.30
CIE _{LCh}	77, 65.291, 69.858
Yxy	51.5317, 0.4712, 0.4208
Android (android.graphics.Color)	4294945865 (0xFFFFAC49)
YUV	185.5310, -55.4778, 60.9243
Hunter-Lab	71.7856, 17.8290, 39.3271

Details

The CIELCh color **77, 65.291, 69.858** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **64, 56.884, 276.934**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 52.495, 93.148**, and **57, 64.873, 70.530** is the 20% darker color. If you saturate the color by 10%, you get **74, 73.567, 68.435**, and if you desaturate by 10%, it is **80, 55.437, 71.791**.

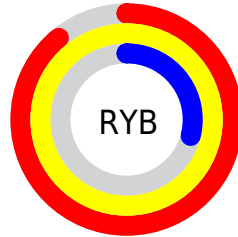
Distribution



Red (100%)

Green (67%)

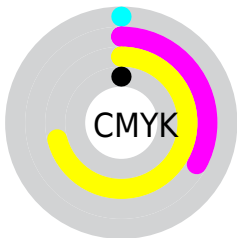
Blue (29%)



Red (89%)

Yellow (100%)

Blue (29%)

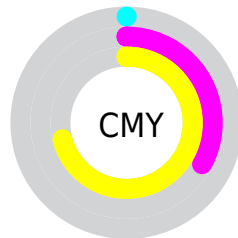


Cyan (0%)

Magenta (33%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 65.291, 69.858 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, 65.291, 69.858 by changing the saturation by 10% instead.

 77, 65.291, 69.858

 77, 65.291, 69.858

 100, 65.291,
69.858

 67, 65.291, 69.858

 97, 65.291, 69.858

 57, 65.291, 69.858

 47, 65.291, 69.858

 37, 65.291, 69.858

 27, 65.291, 69.858

 17, 65.291, 69.858

 7, 65.291, 69.858

 0, 65.291, 69.858

 77, 65.291, 69.858

 77, 65.291, 69.858

74, 73.567, 68.435

80, 55.437, 71.791

71, 80.318, 66.126

83, 45.748, 73.231

69, 84.130, 63.580

86, 36.186, 74.617

89, 26.902, 75.972

93, 17.953, 77.298

96, 9.348, 78.584

100, 1.073, 79.526

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, 65.291, 69.858



64, 56.884, 276.934

Rectangle

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



77, 65.291, 69.858



77, 65.291, 119.858



77, 65.291, 249.858



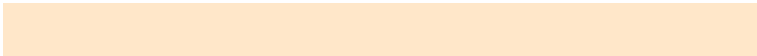
77, 65.291, 299.858

Sweetspot

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



77, 64.924, 70.237



93, 17.658, 77.342



60, 74.238, 355.626



49, 12.018, 76.980



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, 64.924, 70.237



73, 77.026, 67.442



97, 83.794, 105.520



51, 4.671, 78.811



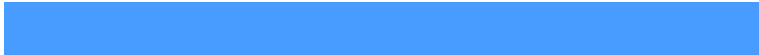
53, 67.589, 64.272



17, 27.069, 66.284

Inverse Universe

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



64, 56.884, 276.934



57, 68.704, 282.959



44, 105.516, 302.734



50, 4.598, 261.395



39, 63.630, 288.232



11, 25.706, 282.040

Previews

White Background



This preview shows how the CIELCh color 77, 65.291, 69.858 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, 65.291, 69.858 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, 65.291, 69.858

Background



This preview shows how black text looks on a background with the CIELCh color 77, 65.291, 69.858.



This preview shows how white text looks on a background with the CIELCh color 77, 65.291, 69.858.

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, 64.954, 70.195

Protanopia

77, 57.934, 95.183

Deuteranopia

77, 62.262, 81.064



Tritanopia
77, 35.561, 13.385

Trichromacy



Original Color
77, 64.954, 70.195

Protanomaly
77, 58.916, 85.053

Deuteranomaly
77, 62.972, 76.927

Tritanomaly
77, 40.329, 44.286

Monochromacy



Original Color
77, 64.954, 70.195

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 23.025, 76.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 65.291, 69.858 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, 172, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 73)  
}
```

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, 172, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 65.291, 69.858 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, 172, 73) }
```

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

```
.border{ border-color:rgb(255, 172, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 65.291, 69.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 73) }
```

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

```
.background{ background-color: rgb(255,  
172, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor