

Converting Colors

CIELCh(75, 67.301, 67.336)

Have a look what the booklet for
CIELCh(75, 67.301, 67.336) contains.

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Color

CIELCh(75, 67.353, 67.411)

Conversions

Conversions Part 1

Format	Color
Hex	FFA442
RGB	255, 164, 66
RGB Percent	100%, 64%, 26%
CMY	0.0000, 0.3563, 0.7407
CMYK	0.00, 0.36, 0.74, 0.00
HSL	31°, 100%, 63%
HSV	31°, 74%, 100%
XYZ	55.5788, 48.2781, 11.5629
YIQ	180.0370, 85.6940, -11.1860

Conversions

Conversions Part 2

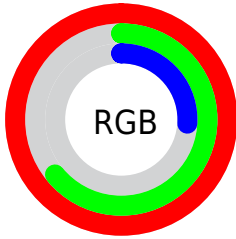
Format	Color
R _Y B	242, 255, 66
Decimal	16753730
CIE Lab	75.00, 25.87, 62.19
CIE LCh	75, 67.353, 67.411
Yxy	48.2781, 0.4815, 0.4183
Android (android.graphics.Color)	4294943810 (0xFFFFA442)
YUV	180.0370, -56.2202, 65.7426
Hunter-Lab	69.4824, 21.1873, 38.7710

Details

The CIELCh color **75, 67.353, 67.411** 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, 56.626, 275.462**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 53.251, 89.363**, and **55, 67.410, 67.471** is the 20% darker color. If you saturate the color by 10%, you get **72, 75.847, 65.606**, and if you desaturate by 10%, it is **78, 57.778, 68.992**.

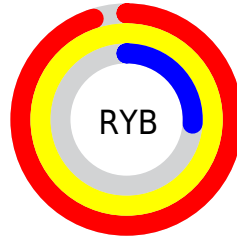
Distribution



Red (100%)

Green (64%)

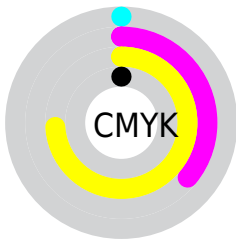
Blue (26%)



Red (95%)

Yellow (100%)

Blue (26%)

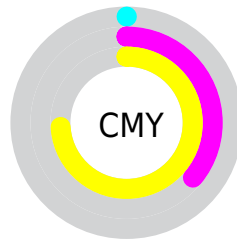


Cyan (0%)

Magenta (36%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 67.353, 67.411 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 75, 67.353, 67.411 by changing the saturation by 10% instead.

75, 67.353, 67.411

75, 67.353, 67.411

100, 67.353,
67.411

65, 67.353, 67.411

95, 67.353, 67.411

55, 67.353, 67.411

45, 67.353, 67.411

35, 67.353, 67.411

25, 67.353, 67.411

15, 67.353, 67.411

5, 67.353, 67.411

0, 67.353, 67.411

75, 67.353, 67.411

75, 67.353, 67.411

72, 75.847, 65.606

78, 57.778, 68.992

69, 82.243, 63.137

81, 47.999, 70.396

68, 84.924, 61.368

84, 38.353, 71.743

88, 29.013, 73.064

91, 20.044, 74.364

95, 11.457, 75.636

99, 3.237, 76.803

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.



75, 67.353, 67.411



64, 56.626, 275.462

Rectangle

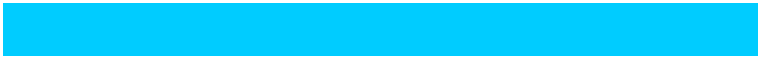
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 67.353, 67.411



75, 67.353, 117.411



75, 67.353, 247.411



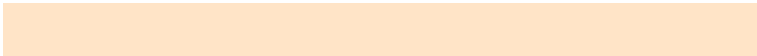
75, 67.353, 297.411

Sweetspot

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



75, 67.307, 67.454



92, 18.238, 74.630



60, 76.440, 355.110



48, 12.329, 74.281



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 67.307, 67.454



71, 79.348, 64.491



97, 85.919, 104.516



51, 4.584, 76.197



52, 68.183, 62.073



16, 27.015, 63.721

Inverse Universe

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



64, 56.626, 275.462



57, 67.894, 281.881



42, 109.667, 303.065



50, 4.495, 258.759



40, 60.546, 285.985



11, 24.557, 279.582

Previews

White Background



This preview shows how the CIELCh color 75, 67.353, 67.411 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 75, 67.353, 67.411 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 75, 67.353, 67.411

Background



This preview shows how black text looks on a background with the CIELCh color 75, 67.353, 67.411.



This preview shows how white text looks on a background with the CIELCh color 75, 67.353, 67.411.

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





Tritanopia
75, 39.045, 15.454

Trichromacy



Original Color
75, 67.353, 67.411

Protanomaly
75, 59.425, 83.999

Deuteranomaly
75, 64.421, 76.216

Tritanomaly
75, 44.297, 43.400

Monochromacy



Original Color
75, 67.353, 67.411

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 23.487, 72.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 67.353, 67.411 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, 164, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 66)  
}
```

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, 164, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 67.353, 67.411 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, 164, 66) }
```

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

```
.border{ border-color:rgb(255, 164, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 67.353, 67.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 66) }
```

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

```
.background{ background-color: rgb(255,  
164, 66) }
```

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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