

Converting Colors

CIELCh(68, 66.221, 48.786)

Have a look what the booklet for
CIELCh(68, 66.221, 48.786) contains.

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Color

CIELCh(68, 65.988, 49.056)

Conversions

Conversions Part 1

Format	Color
Hex	FF834D
RGB	255, 131, 77
RGB Percent	100%, 51%, 30%
CMY	0.0005, 0.4867, 0.6984
CMYK	0.00, 0.49, 0.70, 0.00
HSL	18°, 100%, 65%
HSV	18°, 70%, 100%
XYZ	50.6288, 37.9720, 11.6631
YIQ	161.9200, 91.2380, 9.4940

Conversions

Conversions Part 2

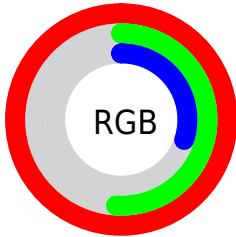
Format	Color
RYB	255, 155, 77
Decimal	16745293
CIELab	68.00, 43.24, 49.84
CIELCh	68, 65.988, 49.056
Yxy	37.9720, 0.5050, 0.3787
Android (android.graphics.Color)	4294935373 (0xFFFF834D)
YUV	161.9200, -41.8656, 81.6312
Hunter-Lab	61.6215, 38.8199, 31.9132

Details

The CIELCh color **68, 65.988, 49.056** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **76, 40.439, 244.335**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 43.216, 64.769**, and **48, 65.919, 48.830** is the 20% darker color. If you saturate the color by 10%, you get **64, 77.202, 48.890**, and if you desaturate by 10%, it is **72, 54.740, 49.178**.

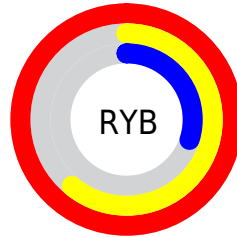
Distribution



Red (100%)

Green (51%)

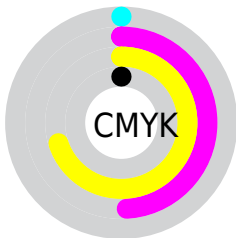
Blue (30%)



Red (100%)

Yellow (61%)

Blue (30%)

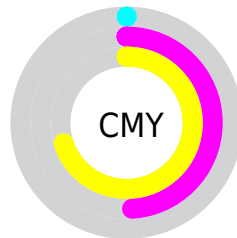


Cyan (0%)

Magenta (49%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 65.988, 49.056 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 68, 65.988, 49.056 by changing the saturation by 10% instead.

68, 65.988, 49.056

68, 65.988, 49.056

100, 65.988,
49.056

58, 65.988, 49.056

88, 65.988, 49.056

48, 65.988, 49.056

98, 65.988, 49.056

38, 65.988, 49.056

28, 65.988, 49.056

18, 65.988, 49.056

8, 65.988, 49.056

0, 65.988, 49.056

68, 65.988, 49.056

68, 65.988, 49.056

64, 77.202, 48.890

72, 54.740, 49.178

61, 87.325, 48.326

76, 43.944, 49.381

59, 94.910, 46.958

81, 33.788, 49.703

59, 95.033, 46.938

85, 24.328, 50.140

90, 15.553, 50.667

95, 7.419, 51.242

100, 0.046,
213.910

Harmonies

Complementary

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



68, 65.988, 49.056



76, 40.439, 244.335

Rectangle

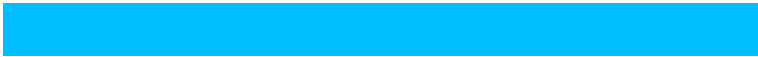
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 65.988, 49.056



68, 65.988, 99.056



68, 65.988, 229.056



68, 65.988, 279.056

Sweetspot

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



68, 65.986, 49.059



90, 16.554, 50.602



62, 82.467, 340.385



46, 11.325, 50.451



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 65.986, 49.059



63, 81.683, 48.733



88, 71.173, 91.846



51, 4.289, 51.260



44, 76.082, 47.511



13, 28.512, 44.080

Inverse Universe

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



76, 40.439, 244.335



73, 45.220, 249.980



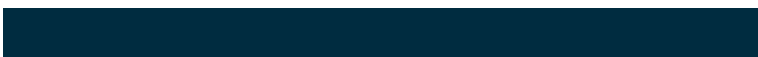
52, 81.815, 294.297



51, 4.075, 232.804



53, 39.702, 256.884



16, 17.315, 249.830

Previews

White Background



This preview shows how the CIELCh color 68, 65.988, 49.056 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 68, 65.988, 49.056 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 68, 65.988, 49.056

Background



This preview shows how black text looks on a background with the CIELCh color 68, 65.988, 49.056.



This preview shows how white text looks on a background with the CIELCh color 68, 65.988, 49.056.

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

68, 65.988, 49.056

Protanopia

68, 42.443, 95.636

Deuteranopia

68, 51.775, 80.314



Tritanopia
68, 53.202, 20.890

Trichromacy



Original Color
68, 65.988, 49.056

Protanomaly
67, 45.984, 72.836

Deuteranomaly
68, 54.791, 66.493

Tritanomaly
68, 56.091, 33.133

Monochromacy



Original Color
68, 65.988, 49.056

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 22.075, 50.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 65.988, 49.056 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, 131, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 77)  
}
```

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, 131, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 65.988, 49.056 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, 131, 77) }
```

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

```
.border{ border-color:rgb(255, 131, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 65.988, 49.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 77) }
```

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

```
.background{ background-color: rgb(255,  
131, 77) }
```

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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