

Converting Colors

CIELCh(68, 65.470, 48.683)

Have a look what the booklet for
CIELCh(68, 65.470, 48.683) contains.

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Color

CIELCh(68, 65.653, 48.745)

Conversions

Conversions Part 1

Format	Color
Hex	FF834E
RGB	255, 131, 78
RGB Percent	100%, 51%, 31%
CMY	0.0007, 0.4868, 0.6946
CMYK	0.00, 0.49, 0.69, 0.00
HSL	18°, 100%, 65%
HSV	18°, 69%, 100%
XYZ	50.6472, 37.9720, 11.8436
YIQ	162.0340, 90.9170, 9.8050

Conversions

Conversions Part 2

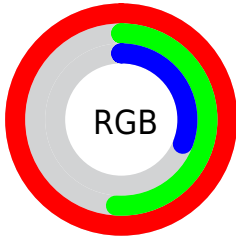
Format	Color
RYB	255, 154, 78
Decimal	16745294
CIELab	68.00, 43.29, 49.36
CIElCh	68, 65.653, 48.745
Yxy	37.9720, 0.5041, 0.3780
Android (android.graphics.Color)	4294935374 (0xFFFF834E)
YUV	162.0340, -41.4288, 81.5312
Hunter-Lab	61.6215, 38.8731, 31.7396

Details

The CIELCh color **68, 65.653, 48.745** 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 **77, 40.173, 243.548**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 42.807, 64.378**, and **48, 65.626, 48.575** is the 20% darker color. If you saturate the color by 10%, you get **64, 76.913, 48.626**, and if you desaturate by 10%, it is **72, 54.390, 48.833**.

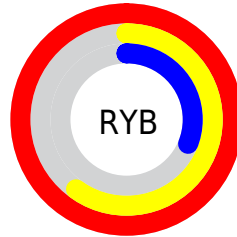
Distribution



Red (100%)

Green (51%)

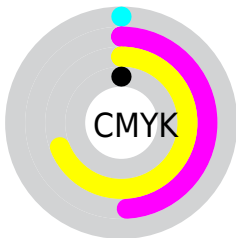
Blue (31%)



Red (100%)

Yellow (60%)

Blue (31%)

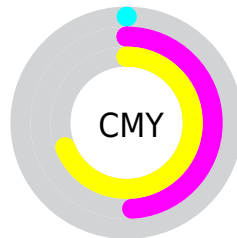


Cyan (0%)

Magenta (49%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 65.653, 48.745 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, 65.653, 48.745 by changing the saturation by 10% instead.

 68, 65.653, 48.745

 68, 65.653, 48.745

 100, 65.653,
48.745

 58, 65.653, 48.745

 88, 65.653, 48.745

 48, 65.653, 48.745

 98, 65.653, 48.745

 38, 65.653, 48.745

 28, 65.653, 48.745

 18, 65.653, 48.745

 8, 65.653, 48.745

 0, 65.653, 48.745

 68, 65.653, 48.745

 68, 65.653, 48.745

 64, 76.913, 48.626

 72, 54.390, 48.833

61, 87.141, 48.132

76, 43.594, 49.010

59, 94.826, 46.817

81, 33.446, 49.310

58, 95.223, 46.755

85, 23.998, 49.727

90, 15.238, 50.236

95, 7.121, 50.792

100, 0.058,
210.949

Harmonies

Complementary

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



68, 65.653, 48.745



77, 40.173, 243.548

Rectangle

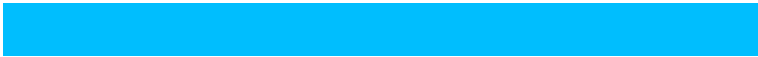
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 65.653, 48.745



68, 65.653, 98.745



68, 65.653, 228.745



68, 65.653, 278.745

Sweetspot

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



68, 65.651, 48.748



90, 16.568, 50.152



63, 83.040, 339.458



46, 11.336, 50.007



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, 65.651, 48.748



63, 80.793, 48.520



88, 70.071, 90.696



51, 4.291, 50.789



44, 76.243, 47.322



13, 28.563, 43.781

Inverse Universe

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



77, 40.173, 243.548



73, 44.724, 248.840



53, 79.484, 293.344



51, 4.076, 232.301



53, 39.453, 256.153



17, 17.239, 249.132

Previews

White Background



This preview shows how the CIELCh color 68, 65.653, 48.745 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, 65.653, 48.745 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, 65.653, 48.745

Background



This preview shows how black text looks on a background with the CIELCh color 68, 65.653, 48.745.



This preview shows how white text looks on a background with the CIELCh color 68, 65.653, 48.745.

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
68, 53.202, 20.890

Trichromacy



Original Color
68, 65.653, 48.745

Protanomaly
67, 45.538, 72.566

Deuteranomaly
68, 54.385, 66.241

Tritanomaly
68, 55.868, 32.636

Monochromacy



Original Color
68, 65.653, 48.745

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, 65.653, 48.745 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 65.653, 48.745 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, 78) }
```

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

```
.border{ border-color:rgb(255, 131, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 65.653, 48.745 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
131, 78) }
```

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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