

Converting Colors

CIELCh(70, 64.791, 37.615)

Have a look what the booklet for
CIELCh(70, 64.791, 37.615) contains.

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Color

CIELCh(68, 58.603, 38.770)

Conversions

Conversions Part 1

Format	Color
Hex	FF8166
RGB	255, 129, 102
RGB Percent	100%, 51%, 40%
CMY	0.0000, 0.4937, 0.5996
CMYK	0.00, 0.49, 0.60, 0.00
HSL	11°, 100%, 70%
HSV	11°, 60%, 100%
XYZ	51.5515, 37.9720, 17.2074
YIQ	163.5960, 83.7630, 18.3150

Conversions

Conversions Part 2

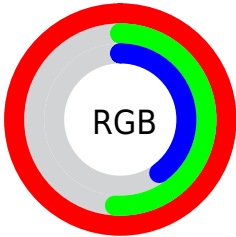
Format	Color
R_{YB}	255, 135, 102
Decimal	16744806
CIE _{Lab}	68.00, 45.69, 36.70
CIE _{LCh}	68, 58.603, 38.770
Yxy	37.9720, 0.4830, 0.3558
Android (android.graphics.Color)	4294934886 (0xFFFF8166)
YUV	163.5960, -30.3668, 80.1613
Hunter-Lab	61.6215, 41.4927, 26.5786

Details

The CIELCh color **68, 58.603, 38.770** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **85, 36.046, 220.891**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 33.653, 49.051**, and **48, 58.654, 38.896** is the 20% darker color. If you saturate the color by 10%, you get **64, 70.539, 39.921**, and if you desaturate by 10%, it is **73, 46.991, 37.906**.

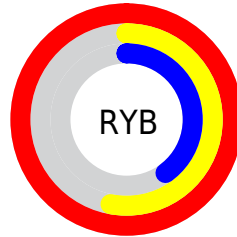
Distribution



Red (100%)

Green (51%)

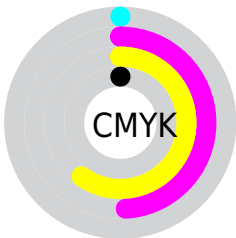
Blue (40%)



Red (100%)

Yellow (53%)

Blue (40%)

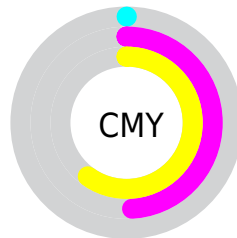


Cyan (0%)

Magenta (49%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 58.603, 38.770 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, 58.603, 38.770 by changing the saturation by 10% instead.

68, 58.603, 38.770

68, 58.603, 38.770

100, 58.603,
38.770

58, 58.603, 38.770

88, 58.603, 38.770

48, 58.603, 38.770

98, 58.603, 38.770

38, 58.603, 38.770

28, 58.603, 38.770

18, 58.603, 38.770

8, 58.603, 38.770

0, 58.603, 38.770

68, 58.603, 38.770

68, 58.603, 38.770

64, 70.539, 39.921

73, 46.991, 37.906

60, 82.445, 41.202

78, 36.093, 37.298

57, 93.110, 42.219

83, 25.948, 36.921

55, 100.749,
42.403

89, 16.570, 36.727

94, 7.929, 36.651

55, 100.775,
42.404

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.



68, 58.603, 38.770



85, 36.046, 220.891

Rectangle

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



68, 58.603, 38.770



68, 58.603, 88.770



68, 58.603, 218.770



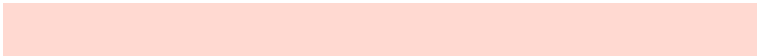
68, 58.603, 268.770

Sweetspot

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



68, 58.551, 38.782



90, 14.818, 36.705



67, 80.841, 333.280



46, 10.424, 36.739



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, 58.551, 38.782



63, 72.997, 40.178



85, 57.079, 82.945



50, 4.516, 36.648



42, 80.741, 42.774



11, 30.322, 35.888

Inverse Universe

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



85, 36.046, 220.891



82, 39.808, 223.089



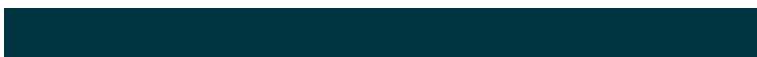
64, 57.355, 283.279



52, 4.250, 217.068



60, 35.114, 230.560



20, 16.138, 225.918

Previews

White Background



This preview shows how the CIELCh color 68, 58.603, 38.770 looks on a white background.

Color Contrast Check

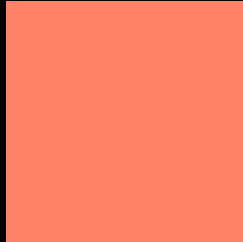
Large Text (above 18pt) WCAG AA × Fail

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, 58.603, 38.770 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, 58.603, 38.770

Background



This preview shows how black text looks on a background with the CIELCh color 68, 58.603, 38.770.



This preview shows how white text looks on a background with the CIELCh color 68, 58.603, 38.770.

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, 58.603, 38.770

Protanopia

68, 27.247, 95.759

Deuteranopia

68, 39.423, 76.983



Tritanopia
68, 53.100, 20.317

Trichromacy



Original Color
68, 58.603, 38.770

Protanomaly
67, 33.106, 62.690

Deuteranomaly
67, 43.623, 58.381

Tritanomaly
68, 54.390, 27.474

Monochromacy



Original Color
68, 58.603, 38.770

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 19.775, 37.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 58.603, 38.770 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, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 102)  
}
```

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, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 58.603, 38.770 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, 129, 102) }
```

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

```
.border{ border-color:rgb(255, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 58.603, 38.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 102) }
```

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

```
.background{ background-color: rgb(255,  
129, 102) }
```

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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