

Converting Colors

CIELCh(70, 57.796, 46.962)

Have a look what the booklet for
CIELCh(70, 57.796, 46.962) contains.

CIELCh(70, 57.828, 47.007)	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(70, 57.828, 47.007)

Conversions

Conversions Part 1

Format	Color
Hex	FE8C60
RGB	254, 140, 96
RGB Percent	100%, 55%, 38%
CMY	0.0033, 0.4504, 0.6230
CMYK	0.00, 0.45, 0.62, 0.00
HSL	17°, 99%, 69%
HSV	17°, 62%, 100%
XYZ	52.4531, 40.7494, 16.2002
YIQ	169.0700, 82.0680, 10.4840

Conversions

Conversions Part 2

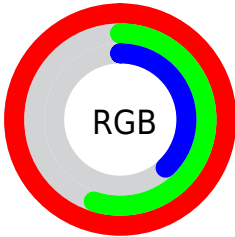
Format	Color
RYB	254, 157, 96
Decimal	16682080
CIELab	70.00, 39.43, 42.30
CIElCh	70, 57.828, 47.007
Yxy	40.7494, 0.4794, 0.3725
Android (android.graphics.Color)	4294872160 (0xFFFE8C60)
YUV	169.0700, -36.0235, 74.4836
Hunter-Lab	63.8353, 34.9607, 29.6380

Details

The CIELCh color **70, 57.828, 47.007** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **80, 36.832, 237.841**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 35.529, 63.852**, and **50, 57.581, 47.101** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.273, 47.136**, and if you desaturate by 10%, it is **74, 46.770, 46.982**.

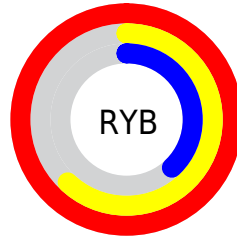
Distribution



Red (100%)

Green (55%)

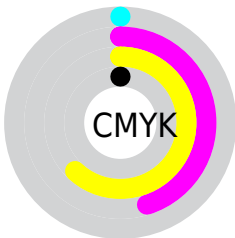
Blue (38%)



Red (100%)

Yellow (62%)

Blue (38%)

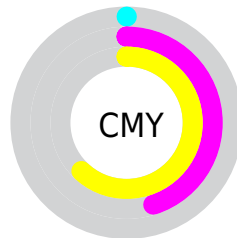


Cyan (0%)

Magenta (45%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 57.828, 47.007 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 70, 57.828, 47.007 by changing the saturation by 10% instead.

 70, 57.828, 47.007

 70, 57.828, 47.007

 100, 57.828,
47.007

 60, 57.828, 47.007

 90, 57.828, 47.007

 50, 57.828, 47.007

 40, 57.828, 47.007

 30, 57.828, 47.007

 20, 57.828, 47.007

 10, 57.828, 47.007

 0, 57.828, 47.007

 70, 57.828, 47.007

 70, 57.828, 47.007

 66, 69.273, 47.136

 74, 46.770, 46.982

63, 80.527, 47.187

79, 36.344, 47.097

60, 90.320, 46.737

84, 26.630, 47.351

58, 96.079, 45.829

88, 17.629, 47.721

93, 9.303, 48.166

99, 1.597, 48.394

100, 0.288,
201.691

Harmonies

Complementary

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



70, 57.828, 47.007



80, 36.832, 237.841

Rectangle

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



70, 57.828, 47.007



70, 57.828, 97.007



70, 57.828, 227.007



70, 57.828, 277.007

Sweetspot

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



70, 57.826, 47.011



90, 14.954, 47.857



65, 77.592, 337.849



47, 10.410, 47.734



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 57.826, 47.011



65, 72.703, 47.170



88, 62.816, 90.467



50, 4.310, 48.287



44, 77.087, 46.361



13, 28.846, 42.238

Inverse Universe

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



80, 36.832, 237.841



76, 41.502, 241.931



58, 68.582, 290.301



51, 4.084, 229.624



54, 38.233, 252.135



17, 16.873, 245.337

Previews

White Background



This preview shows how the CIELCh color 70, 57.828, 47.007 looks on a white background.

Color Contrast Check

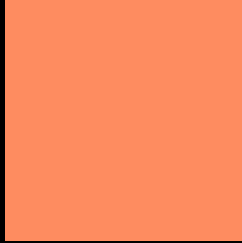
Large Text (above 18pt) WCAG AA × Fail

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 70, 57.828, 47.007 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 70, 57.828, 47.007

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.828, 47.007.



This preview shows how white text looks on a background with the CIELCh color 70, 57.828, 47.007.

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
70, 48.893, 18.526

Trichromacy



Original Color
70, 57.828, 47.007

Protanomaly
69, 38.378, 71.363

Deuteranomaly
70, 47.346, 64.689

Tritanomaly
70, 50.613, 30.371

Monochromacy



Original Color
70, 57.828, 47.007

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 19.086, 47.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 57.828, 47.007 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(254, 140, 96)` looks like.

```
.text, #text, p{  
    color:rgb(254, 140, 96)  
}
```

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(254, 140, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 140, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.828, 47.007 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(254, 140, 96) }
```

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

```
.border{ border-color:rgb(254, 140, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 140, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 140, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 140, 96);  
box-shadow:4px 4px 4px 4px rgb(254, 140,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.828, 47.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 140, 96) }
```

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

```
.background{ background-color: rgb(254,  
140, 96) }
```

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