

Converting Colors

CIELCh(70, 54.638, 40.357)

Have a look what the booklet for
CIELCh(70, 54.638, 40.357) contains.

CIELCh(70, 54.646, 40.236)	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, 54.646, 40.236)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A6D
RGB	255, 138, 109
RGB Percent	100%, 54%, 43%
CMY	0.0000, 0.4572, 0.5711
CMYK	0.00, 0.46, 0.57, 0.00
HSL	12°, 100%, 71%
HSV	12°, 57%, 100%
XYZ	53.3339, 40.7494, 19.6269
YIQ	169.6770, 79.0410, 15.7850

Conversions

Conversions Part 2

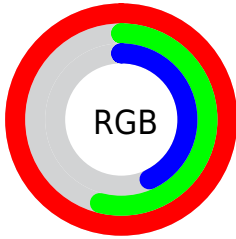
Format	Color
R _Y B	255, 145, 109
Decimal	16747117
CIE Lab	70.00, 41.72, 35.30
CIE LCh	70, 54.646, 40.236
Yxy	40.7494, 0.4690, 0.3584
Android (android.graphics.Color)	4294937197 (0xFFFF8A6D)
YUV	169.6770, -29.9138, 74.8283
Hunter-Lab	63.8353, 37.4236, 26.4553

Details

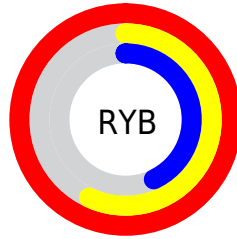
The CIELCh color **70, 54.646, 40.236** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **84, 34.696, 223.974**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 30.672, 53.766**, and **50, 54.839, 39.866** is the 20% darker color. If you saturate the color by 10%, you get **66, 66.247, 41.127**, and if you desaturate by 10%, it is **75, 43.201, 39.677**.

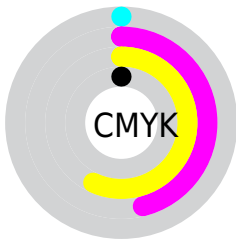
Distribution



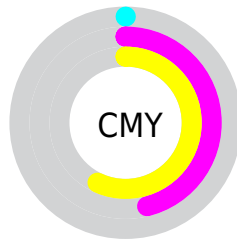
- Red (100%)
- Green (54%)
- Blue (43%)



- Red (100%)
- Yellow (57%)
- Blue (43%)



- Cyan (0%)
- Magenta (46%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 54.646, 40.236 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, 54.646, 40.236 by changing the saturation by 10% instead.

 70, 54.646, 40.236

 70, 54.646, 40.236

 100, 54.646,
40.236

 60, 54.646, 40.236

 90, 54.646, 40.236

 50, 54.646, 40.236

 40, 54.646, 40.236

 30, 54.646, 40.236

 20, 54.646, 40.236

 10, 54.646, 40.236

 0, 54.646, 40.236

 70, 54.646, 40.236

 70, 54.646, 40.236

 66, 66.247, 41.127

 75, 43.201, 39.677

62, 78.178, 42.127

80, 32.655, 39.304

59, 89.340, 42.989

85, 22.869, 39.127

56, 97.892, 43.037

90, 13.838, 39.101

56, 99.905, 43.015

96, 5.515, 39.146

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.



70, 54.646, 40.236



84, 34.696, 223.974

Rectangle

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



70, 54.646, 40.236



70, 54.646, 90.236



70, 54.646, 220.236



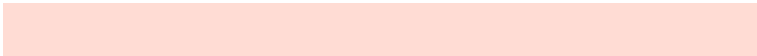
70, 54.646, 270.236

Sweetspot

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



70, 54.455, 40.283



90, 13.743, 39.101



68, 76.910, 333.750



47, 9.270, 39.096



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, 54.455, 40.283



65, 68.510, 41.309



86, 54.948, 84.752



50, 4.455, 39.140



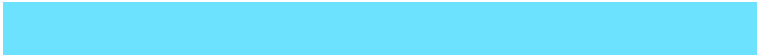
42, 80.015, 43.424



12, 29.990, 37.134

Inverse Universe

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



84, 34.696, 223.974



82, 38.825, 226.314



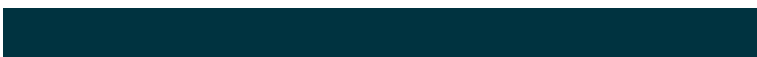
65, 55.780, 283.615



52, 4.196, 219.766



59, 35.385, 235.530



19, 16.150, 230.277

Previews

White Background



This preview shows how the CIELCh color 70, 54.646, 40.236 looks on a white background.

Color Contrast Check

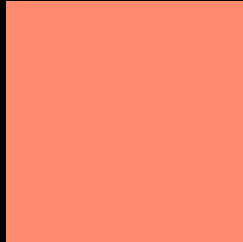
Large Text (above 18pt) WCAG AA × Fail

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, 54.646, 40.236 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, 54.646, 40.236

Background



This preview shows how black text looks on a background with the CIELCh color 70, 54.646, 40.236.

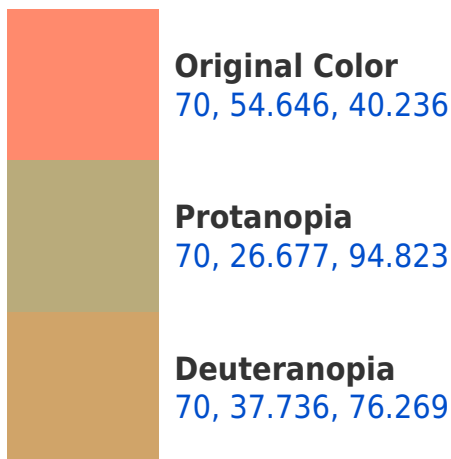


This preview shows how white text looks on a background with the CIELCh color 70, 54.646, 40.236.

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, 48.969, 19.149

Trichromacy



Original Color
70, 54.646, 40.236

Protanomaly
69, 31.846, 64.370

Deuteranomaly
70, 41.286, 59.495

Tritanomaly
70, 50.209, 27.532

Monochromacy



Original Color
70, 54.646, 40.236

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 18.165, 39.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 54.646, 40.236 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, 138, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 109)  
}
```

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, 138, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 54.646, 40.236 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, 138, 109) }
```

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

```
.border{ border-color:rgb(255, 138, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 54.646, 40.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 109) }
```

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

```
.background{ background-color: rgb(255,  
138, 109) }
```

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