

Converting Colors

CIELCh(70, 61.051, 49.273)

Have a look what the booklet for
CIELCh(70, 61.051, 49.273) contains.

CIELCh(70, 60.564, 49.434)	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, 60.564, 49.434)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C59
RGB	255, 140, 89
RGB Percent	100%, 55%, 35%
CMY	0.0000, 0.4509, 0.6509
CMYK	0.00, 0.45, 0.65, 0.00
HSL	18°, 100%, 67%
HSV	18°, 65%, 100%
XYZ	52.4350, 40.7494, 14.5576
YIQ	168.5710, 84.9110, 8.5190

Conversions

Conversions Part 2

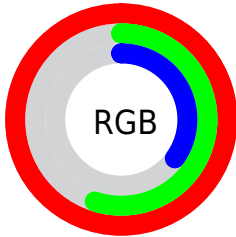
Format	Color
R _Y B	255, 163, 89
Decimal	16747609
CIE Lab	70.00, 39.39, 46.01
CIE LCh	70, 60.564, 49.434
Yxy	40.7494, 0.4867, 0.3782
Android (android.graphics.Color)	4294937689 (0xFFFF8C59)
YUV	168.5710, -39.2285, 75.7982
Hunter-Lab	63.8353, 34.9101, 31.1637

Details

The CIELCh color **70, 60.564, 49.434** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **78, 38.702, 243.395**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 38.827, 67.520**, and **50, 60.687, 49.684** is the 20% darker color. If you saturate the color by 10%, you get **66, 71.845, 49.285**, and if you desaturate by 10%, it is **74, 49.503, 49.624**.

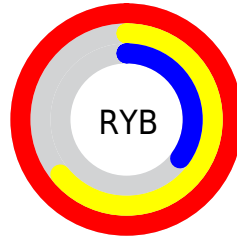
Distribution



Red (100%)

Green (55%)

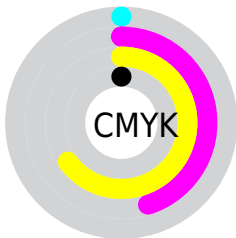
Blue (35%)



Red (100%)

Yellow (64%)

Blue (35%)

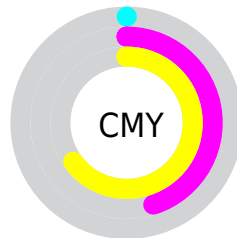


Cyan (0%)

Magenta (45%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 60.564, 49.434 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, 60.564, 49.434 by changing the saturation by 10% instead.

70, 60.564, 49.434

70, 60.564, 49.434

100, 60.564,
49.434

60, 60.564, 49.434

90, 60.564, 49.434

50, 60.564, 49.434

40, 60.564, 49.434

30, 60.564, 49.434

20, 60.564, 49.434

10, 60.564, 49.434

0, 60.564, 49.434

70, 60.564, 49.434

70, 60.564, 49.434

66, 71.845, 49.285

74, 49.503, 49.624

63, 82.641, 48.928

78, 39.014, 49.911

60, 91.459, 47.869

83, 29.200, 50.315

59, 94.871, 47.123

88, 20.078, 50.820

93, 11.619, 51.398

97, 3.773, 51.953

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, 60.564, 49.434



78, 38.702, 243.395

Rectangle

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



70, 60.564, 49.434



70, 60.564, 99.434



70, 60.564, 229.434



70, 60.564, 279.434

Sweetspot

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



70, 60.552, 49.441



90, 15.693, 51.108



64, 78.733, 339.819



47, 10.823, 50.947



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, 60.552, 49.441



65, 75.088, 49.218



89, 67.144, 92.457



51, 4.286, 51.730



45, 75.923, 47.702



13, 28.461, 44.379

Inverse Universe

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



78, 38.702, 243.395



74, 43.498, 248.091



55, 75.692, 292.912



51, 4.075, 233.305



52, 39.956, 257.605



16, 17.393, 250.520

Previews

White Background



This preview shows how the CIELCh color 70, 60.564, 49.434 looks on a white background.

Color Contrast Check

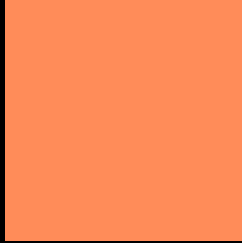
Large Text (above 18pt) WCAG AA × Fail

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, 60.564, 49.434 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, 60.564, 49.434

Background



This preview shows how black text looks on a background with the CIELCh color 70, 60.564, 49.434.



This preview shows how white text looks on a background with the CIELCh color 70, 60.564, 49.434.

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

70, 60.564, 49.434

Protanopia

70, 39.170, 96.054

Deuteranopia

70, 47.986, 79.168



Tritanopia
70, 48.969, 19.149

Trichromacy



Original Color
70, 60.564, 49.434

Protanomaly
69, 42.276, 73.535

Deuteranomaly
70, 50.591, 66.514

Tritanomaly
70, 51.212, 32.045

Monochromacy



Original Color
70, 60.564, 49.434

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 20.095, 49.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 60.564, 49.434 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, 140, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 89)  
}
```

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, 140, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 60.564, 49.434 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, 140, 89) }
```

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

```
.border{ border-color:rgb(255, 140, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 60.564, 49.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 89) }
```

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

```
.background{ background-color: rgb(255,  
140, 89) }
```

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