

Converting Colors

CIELCh(70, 68.429, 55.496)

Have a look what the booklet for
CIELCh(70, 68.429, 55.496) contains.

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Color

CIELCh(70, 67.881, 55.631)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D45
RGB	255, 141, 69
RGB Percent	100%, 55%, 27%
CMY	0.0000, 0.4486, 0.7311
CMYK	0.00, 0.45, 0.73, 0.00
HSL	23°, 100%, 63%
HSV	23°, 73%, 100%
XYZ	52.0271, 40.7494, 10.6833
YIQ	166.8780, 91.0560, 1.7760

Conversions

Conversions Part 2

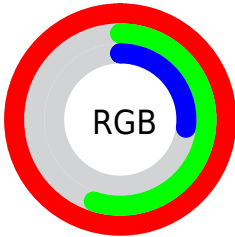
Format	Color
R _Y B	255, 186, 69
Decimal	16747845
CIE Lab	70.00, 38.32, 56.03
CIE LCh	70, 67.881, 55.631
Yxy	40.7494, 0.5029, 0.3939
Android (android.graphics.Color)	4294937925 (0xFFFF8D45)
YUV	166.8780, -48.2539, 77.2830
Hunter-Lab	63.8353, 33.7696, 34.7620

Details

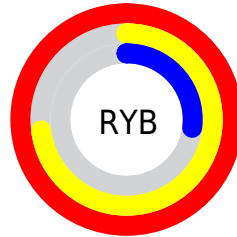
The CIELCh color **70, 67.881, 55.631** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **71, 45.663, 258.626**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 47.205, 74.518**, and **50, 67.258, 55.875** is the 20% darker color. If you saturate the color by 10%, you get **67, 77.823, 54.724**, and if you desaturate by 10%, it is **74, 56.964, 56.587**.

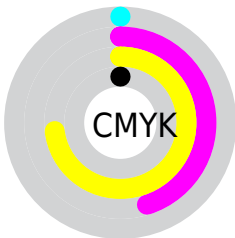
Distribution



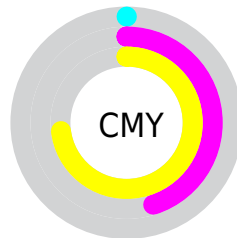
- Red (100%)
- Green (55%)
- Blue (27%)



- Red (100%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 67.881, 55.631 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, 67.881, 55.631 by changing the saturation by 10% instead.

70, 67.881, 55.631

70, 67.881, 55.631

100, 67.881,
55.631

60, 67.881, 55.631

90, 67.881, 55.631

50, 67.881, 55.631

40, 67.881, 55.631

30, 67.881, 55.631

20, 67.881, 55.631

10, 67.881, 55.631

0, 67.881, 55.631

70, 67.881, 55.631

70, 67.881, 55.631

67, 77.823, 54.724

74, 56.964, 56.587

64, 86.340, 53.068

77, 46.504, 57.370

62, 90.774, 51.491

81, 36.519, 58.187

85, 27.110, 59.054

90, 18.292, 59.967

94, 10.038, 60.901

99, 2.302, 61.700

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, 67.881, 55.631



71, 45.663, 258.626

Rectangle

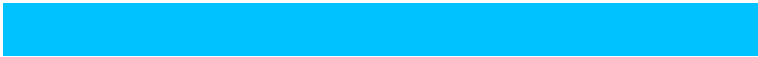
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 67.881, 55.631



70, 67.881, 105.631



70, 67.881, 235.631



70, 67.881, 285.631

Sweetspot

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



70, 67.618, 55.766



90, 17.348, 60.070



61, 80.696, 345.718



47, 11.763, 59.818



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, 67.618, 55.766



65, 82.300, 54.024



92, 78.110, 97.061



51, 4.302, 61.231



47, 72.684, 52.159



14, 27.580, 50.972

Inverse Universe

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



71, 45.663, 258.626



66, 52.648, 265.402



47, 95.725, 298.862



51, 4.133, 243.350



48, 46.264, 270.556



15, 19.459, 263.321

Previews

White Background



This preview shows how the CIELCh color 70, 67.881, 55.631 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, 67.881, 55.631 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, 67.881, 55.631

Background



This preview shows how black text looks on a background with the CIELCh color 70, 67.881, 55.631.



This preview shows how white text looks on a background with the CIELCh color 70, 67.881, 55.631.

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, 67.425, 55.842

Protanopia

70, 49.633, 95.381

Deuteranopia

70, 58.121, 81.127



Tritanopia
70, 48.969, 19.149

Trichromacy



Original Color
70, 67.425, 55.842

Protanomaly
69, 52.179, 77.488

Deuteranomaly
70, 60.161, 70.846

Tritanomaly
70, 52.788, 35.769

Monochromacy



Original Color
70, 67.425, 55.842

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 22.919, 58.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 67.881, 55.631 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, 141, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 69)  
}
```

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, 141, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 67.881, 55.631 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, 141, 69) }
```

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

```
.border{ border-color:rgb(255, 141, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 141, 69); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 141, 69); box-shadow:4px 4px 4px 4px rgb(255, 141, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 67.881, 55.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 69) }
```

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

```
.background{ background-color: rgb(255,  
141, 69) }
```

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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