

Converting Colors

CIELCh(81, 98.338, 46.720)

Have a look what the booklet for
CIELCh(81, 98.338, 46.720) contains.

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Color

CIELCh(70, 68.684, 55.664)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C43
RGB	255, 140, 67
RGB Percent	100%, 55%, 26%
CMY	0.0000, 0.4502, 0.7367
CMYK	0.00, 0.45, 0.74, 0.00
HSL	23°, 100%, 63%
HSV	23°, 74%, 100%
XYZ	52.1878, 40.7494, 10.4471
YIQ	166.0630, 91.9730, 1.6770

Conversions

Conversions Part 2

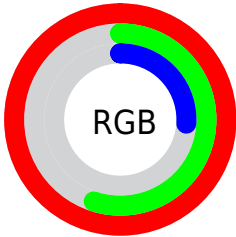
Format	Color
R_{YB}	255, 186, 67
Decimal	16747587
CIE Lab	70.00, 38.74, 56.72
CIE LCh	70, 68.684, 55.664
Yxy	40.7494, 0.5048, 0.3942
Android (android.graphics.Color)	4294937667 (0xFFFF8C43)
YUV	166.0630, -48.8381, 77.9977
Hunter-Lab	63.8353, 34.2189, 34.9815

Details

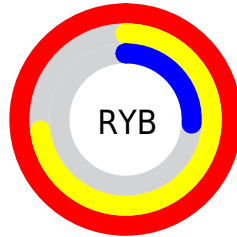
The CIELCh color **70, 68.684, 55.664** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **71, 46.092, 259.222**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 47.946, 74.323**, and **50, 68.214, 55.963** is the 20% darker color. If you saturate the color by 10%, you get **67, 78.280, 54.845**, and if you desaturate by 10%, it is **73, 57.529, 56.775**.

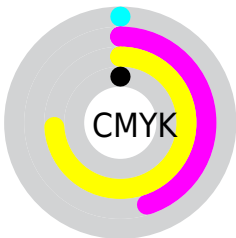
Distribution



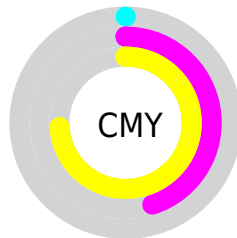
- Red (100%)
- Green (55%)
- Blue (26%)



- Red (100%)
- Yellow (73%)
- Blue (26%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 68.684, 55.664 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, 68.684, 55.664 by changing the saturation by 10% instead.

70, 68.684, 55.664

70, 68.684, 55.664

100, 68.684,
55.664

60, 68.684, 55.664

90, 68.684, 55.664

50, 68.684, 55.664

40, 68.684, 55.664

30, 68.684, 55.664

20, 68.684, 55.664

10, 68.684, 55.664

0, 68.684, 55.664

70, 68.684, 55.664

70, 68.684, 55.664

67, 78.280, 54.845

73, 57.529, 56.775

64, 86.624, 53.118

77, 47.064, 57.574

62, 90.646, 51.650

81, 37.059, 58.403

85, 27.624, 59.280

90, 18.776, 60.201

94, 10.491, 61.145

98, 2.724, 61.986

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, 68.684, 55.664



71, 46.092, 259.222

Rectangle

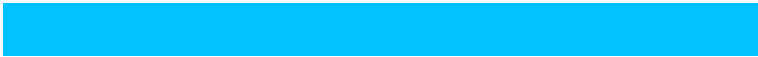
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 68.684, 55.664



70, 68.684, 105.664



70, 68.684, 235.664



70, 68.684, 285.664

Sweetspot

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



70, 68.158, 55.930



90, 17.354, 60.358



61, 81.041, 345.817



47, 11.767, 60.103



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, 68.158, 55.930



65, 82.207, 54.207



92, 78.532, 97.005



51, 4.304, 61.531



47, 72.584, 52.320



14, 27.557, 51.197

Inverse Universe

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



71, 46.092, 259.222



66, 52.877, 265.769



46, 96.522, 299.012



51, 4.137, 243.664



48, 46.497, 270.917



14, 19.539, 263.690

Previews

White Background



This preview shows how the CIELCh color 70, 68.684, 55.664 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, 68.684, 55.664 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, 68.684, 55.664

Background



This preview shows how black text looks on a background with the CIELCh color 70, 68.684, 55.664.



This preview shows how white text looks on a background with the CIELCh color 70, 68.684, 55.664.

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, 49.051, 19.771

Trichromacy



Original Color
70, 68.229, 55.874

Protanomaly
69, 53.044, 77.830

Deuteranomaly
70, 60.498, 70.470

Tritanomaly
70, 53.282, 36.784

Monochromacy



Original Color
70, 68.229, 55.874

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 22.969, 60.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 68.684, 55.664 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 68.684, 55.664 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, 67) }
```

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

```
.border{ border-color:rgb(255, 140, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 68.684, 55.664 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, 67) }
```

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

```
.background{ background-color: rgb(255,  
140, 67) }
```

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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