

Converting Colors

CIELCh(70, 72.111, 50.316)

Have a look what the booklet for
CIELCh(70, 72.111, 50.316) contains.

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Color

CIELCh(68, 67.719, 51.704)

Conversions

Conversions Part 1

Format	Color
Hex	FE8446
RGB	254, 132, 70
RGB Percent	100%, 52%, 27%
CMY	0.0048, 0.4824, 0.7253
CMYK	0.00, 0.48, 0.72, 0.00
HSL	20°, 99%, 63%
HSV	20°, 72%, 100%
XYZ	50.1521, 37.9720, 10.4882
YIQ	161.4100, 92.6140, 6.5820

Conversions

Conversions Part 2

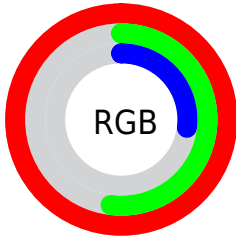
Format	Color
RYB	254, 164, 70
Decimal	16680006
CIELab	68.00, 41.97, 53.15
CIElCh	68, 67.719, 51.704
Yxy	37.9720, 0.5086, 0.3851
Android (android.graphics.Color)	4294870086 (0xFFFE8446)
YUV	161.4100, -45.0651, 81.2014
Hunter-Lab	61.6215, 37.4389, 33.0437

Details

The CIELCh color **68, 67.719, 51.704** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **74, 42.570, 250.789**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 46.200, 68.017**, and **48, 67.812, 51.896** is the 20% darker color. If you saturate the color by 10%, you get **65, 78.449, 51.137**, and if you desaturate by 10%, it is **72, 56.709, 52.124**.

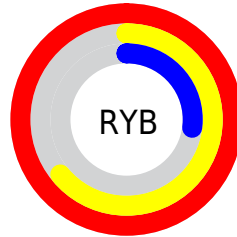
Distribution



Red (100%)

Green (52%)

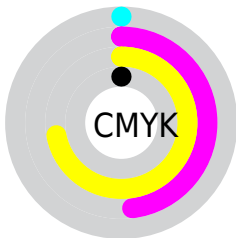
Blue (27%)



Red (100%)

Yellow (64%)

Blue (27%)

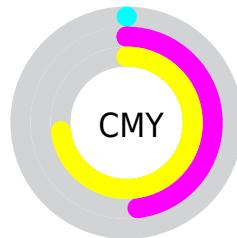


Cyan (0%)

Magenta (48%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 67.719, 51.704 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 68, 67.719, 51.704 by changing the saturation by 10% instead.

68, 67.719, 51.704

68, 67.719, 51.704

100, 67.719,
51.704

58, 67.719, 51.704

88, 67.719, 51.704

48, 67.719, 51.704

98, 67.719, 51.704

38, 67.719, 51.704

28, 67.719, 51.704

18, 67.719, 51.704

8, 67.719, 51.704

0, 67.719, 51.704

68, 67.719, 51.704

68, 67.719, 51.704

65, 78.449, 51.137

72, 56.709, 52.124

62, 87.675, 50.013

76, 46.019, 52.564

60, 92.984, 48.639

80, 35.896, 53.085

84, 26.421, 53.695

89, 17.598, 54.380

94, 9.391, 55.110

98, 1.750, 55.642

100, 0.421,
200.954

Harmonies

Complementary

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



68, 67.719, 51.704



74, 42.570, 250.789

Rectangle

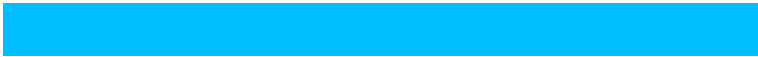
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 67.719, 51.704



68, 67.719, 101.704



68, 67.719, 231.704



68, 67.719, 281.704

Sweetspot

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



68, 67.717, 51.707



90, 17.326, 54.408



61, 82.289, 342.585



46, 11.759, 54.216



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 67.717, 51.707



63, 83.305, 50.721



89, 74.610, 93.854



51, 4.278, 55.318



45, 74.695, 49.247



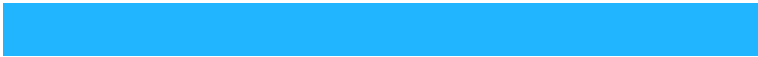
13, 28.093, 46.747

Inverse Universe

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



74, 42.570, 250.789



70, 48.257, 257.188



49, 88.683, 296.599



51, 4.082, 237.120



51, 42.082, 262.850



16, 18.068, 255.612

Previews

White Background



This preview shows how the CIELCh color 68, 67.719, 51.704 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 68, 67.719, 51.704 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 68, 67.719, 51.704

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.719, 51.704.



This preview shows how white text looks on a background with the CIELCh color 68, 67.719, 51.704.

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
68, 53.100, 20.317

Trichromacy



Original Color
68, 67.814, 51.692

Protanomaly
67, 49.216, 75.237

Deuteranomaly
68, 57.634, 68.694

Tritanomaly
68, 56.552, 34.115

Monochromacy



Original Color
68, 67.814, 51.692

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 22.777, 52.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.719, 51.704 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, 132, 70)` looks like.

```
.text, #text, p{  
    color:rgb(254, 132, 70)  
}
```

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, 132, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 132, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.719, 51.704 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, 132, 70) }
```

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

```
.border{ border-color:rgb(254, 132, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 132, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 132, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 132, 70);  
box-shadow:4px 4px 4px 4px rgb(254, 132,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.719, 51.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 132, 70) }
```

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

```
.background{ background-color: rgb(254,  
132, 70) }
```

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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