

Converting Colors

CIELCh(82, 96.696, 42.025)

Have a look what the booklet for
CIELCh(82, 96.696, 42.025) contains.

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Color

CIELCh(69, 62.519, 48.811)

Conversions

Conversions Part 1

Format	Color
Hex	FF8855
RGB	255, 136, 85
RGB Percent	100%, 53%, 33%
CMY	0.0016, 0.4680, 0.6679
CMYK	0.00, 0.47, 0.67, 0.00
HSL	18°, 100%, 67%
HSV	18°, 67%, 100%
XYZ	51.4723, 39.3444, 13.4087
YIQ	165.7670, 87.2950, 9.3670

Conversions

Conversions Part 2

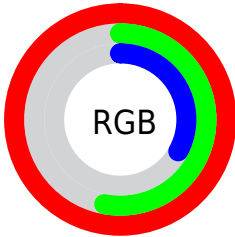
Format	Color
R _Y B	255, 158, 85
Decimal	16746581
CIE Lab	69.00, 41.17, 47.05
CIE LCh	69, 62.519, 48.811
Yxy	39.3444, 0.4939, 0.3775
Android (android.graphics.Color)	4294936661 (0xFFFF8855)
YUV	165.7670, -39.8181, 78.2573
Hunter-Lab	62.7251, 36.7085, 31.2332

Details

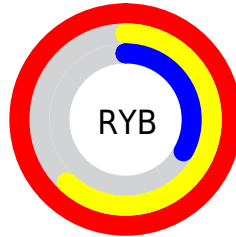
The CIELCh color **69, 62.519, 48.811** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **77, 39.125, 242.740**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 40.196, 65.692**, and **49, 62.722, 49.047** is the 20% darker color. If you saturate the color by 10%, you get **65, 73.837, 48.719**, and if you desaturate by 10%, it is **73, 51.364, 48.922**.

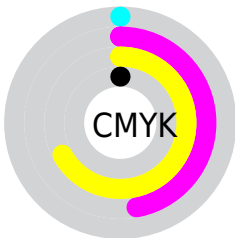
Distribution



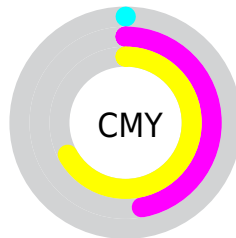
- Red (100%)
- Green (53%)
- Blue (33%)



- Red (100%)
- Yellow (62%)
- Blue (33%)



- Cyan (0%)
- Magenta (47%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 62.519, 48.811 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 69, 62.519, 48.811 by changing the saturation by 10% instead.

69, 62.519, 48.811

69, 62.519, 48.811

100, 62.519,
48.811

59, 62.519, 48.811

89, 62.519, 48.811

49, 62.519, 48.811

99, 62.519, 48.811

39, 62.519, 48.811

29, 62.519, 48.811

19, 62.519, 48.811

9, 62.519, 48.811

0, 62.519, 48.811

69, 62.519, 48.811

69, 62.519, 48.811

65, 73.837, 48.719

73, 51.364, 48.922

62, 84.481, 48.369

77, 40.744, 49.136

59, 92.841, 47.218

82, 30.794, 49.473

58, 95.123, 46.783

87, 21.544, 49.921

92, 12.971, 50.452

96, 5.026, 50.999

100, 0.142,
204.081

Harmonies

Complementary

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



69, 62.519, 48.811



77, 39.125, 242.740

Rectangle

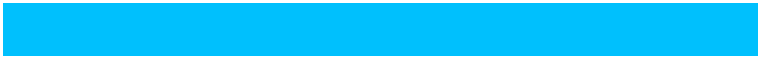
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 62.519, 48.811



69, 62.519, 98.811



69, 62.519, 228.811



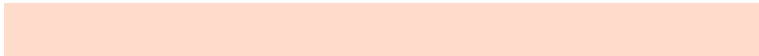
69, 62.519, 278.811

Sweetspot

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



69, 62.517, 48.814



90, 15.716, 50.272



63, 80.006, 340.011



47, 10.840, 50.121



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 62.517, 48.814



64, 77.545, 48.653



89, 68.505, 92.245



51, 4.291, 50.857



44, 76.219, 47.349



13, 28.556, 43.825

Inverse Universe

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



77, 39.125, 242.740



74, 43.832, 247.658



54, 77.727, 293.388



51, 4.075, 232.375



53, 39.489, 256.260



17, 17.250, 249.234

Previews

White Background



This preview shows how the CIELCh color 69, 62.519, 48.811 looks on a white background.

Color Contrast Check

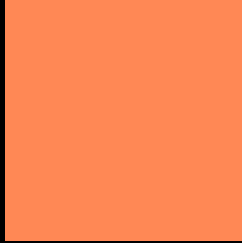
Large Text (above 18pt) WCAG AA × Fail

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 69, 62.519, 48.811 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 69, 62.519, 48.811

Background



This preview shows how black text looks on a background with the CIELCh color 69, 62.519, 48.811.



This preview shows how white text looks on a background with the CIELCh color 69, 62.519, 48.811.

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

69, 62.519, 48.811

Protanopia

69, 39.772, 96.034

Deuteranopia

69, 49.212, 80.090



Tritanopia
69, 50.801, 19.667

Trichromacy



Original Color
69, 62.519, 48.811

Protanomaly
68, 43.155, 73.247

Deuteranomaly
69, 51.935, 66.619

Tritanomaly
69, 53.178, 32.065

Monochromacy



Original Color
69, 62.519, 48.811

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 20.967, 48.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 62.519, 48.811 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, 136, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 85)  
}
```

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, 136, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 62.519, 48.811 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, 136, 85) }
```

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

```
.border{ border-color:rgb(255, 136, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 62.519, 48.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 85) }
```

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

```
.background{ background-color: rgb(255,  
136, 85) }
```

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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