

Converting Colors

CIELCh(69, 67.230, 51.767)

Have a look what the booklet for
CIELCh(69, 67.230, 51.767) contains.

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Color

CIELCh(69, 66.758, 52.043)

Conversions

Conversions Part 1

Format	Color
Hex	FF884A
RGB	255, 136, 74
RGB Percent	100%, 53%, 29%
CMY	0.0000, 0.4685, 0.7118
CMYK	0.00, 0.47, 0.71, 0.00
HSL	21°, 100%, 64%
HSV	21°, 71%, 100%
XYZ	51.4304, 39.3444, 11.2739
YIQ	164.5130, 90.8260, 5.9460

Conversions

Conversions Part 2

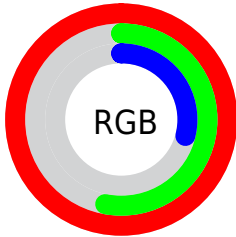
Format	Color
R _Y B	255, 168, 74
Decimal	16746570
CIE Lab	69.00, 41.06, 52.64
CIE LCh	69, 66.758, 52.043
Yxy	39.3444, 0.5040, 0.3855
Android (android.graphics.Color)	4294936650 (0xFFFF884A)
YUV	164.5130, -44.6229, 79.3571
Hunter-Lab	62.7251, 36.5891, 33.2511

Details

The CIELCh color **69, 66.758, 52.043** 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, 42.435, 251.072**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 44.844, 69.717**, and **49, 66.193, 52.411** is the 20% darker color. If you saturate the color by 10%, you get **65, 77.326, 51.567**, and if you desaturate by 10%, it is **73, 55.515, 52.602**.

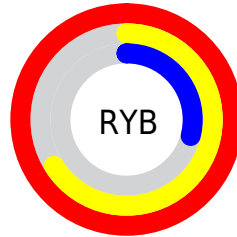
Distribution



Red (100%)

Green (53%)

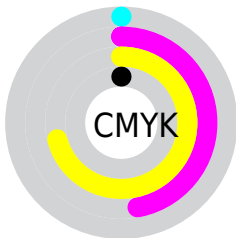
Blue (29%)



Red (100%)

Yellow (66%)

Blue (29%)

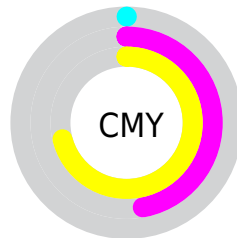


Cyan (0%)

Magenta (47%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 66.758, 52.043 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, 66.758, 52.043 by changing the saturation by 10% instead.

69, 66.758, 52.043

69, 66.758, 52.043

100, 66.758,
52.043

59, 66.758, 52.043

89, 66.758, 52.043

49, 66.758, 52.043

99, 66.758, 52.043

39, 66.758, 52.043

29, 66.758, 52.043

19, 66.758, 52.043

9, 66.758, 52.043

0, 66.758, 52.043

69, 66.758, 52.043

69, 66.758, 52.043

65, 77.326, 51.567

73, 55.515, 52.602

62, 86.811, 50.492

77, 44.872, 53.084

60, 93.084, 48.883

81, 34.807, 53.646

85, 25.391, 54.293

90, 16.622, 55.009

95, 8.461, 55.761

99, 0.855, 55.977

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.



69, 66.758, 52.043



74, 42.435, 251.072

Rectangle

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



69, 66.758, 52.043



69, 66.758, 102.043



69, 66.758, 232.043



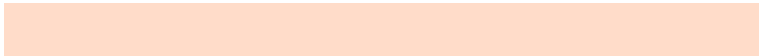
69, 66.758, 282.043

Sweetspot

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



69, 66.513, 52.148



90, 16.473, 55.022



62, 81.778, 342.411



47, 11.263, 54.818



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 66.513, 52.148



64, 81.197, 51.243



90, 73.934, 93.997



51, 4.278, 55.884



46, 74.502, 49.506



14, 28.039, 47.133

Inverse Universe

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



74, 42.435, 251.072



70, 47.860, 257.005



50, 87.362, 296.253



51, 4.085, 237.719



50, 42.446, 263.635



16, 18.186, 256.385

Previews

White Background



This preview shows how the CIELCh color 69, 66.758, 52.043 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, 66.758, 52.043 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, 66.758, 52.043

Background



This preview shows how black text looks on a background with the CIELCh color 69, 66.758, 52.043.



This preview shows how white text looks on a background with the CIELCh color 69, 66.758, 52.043.

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
69, 51.260, 19.797

Trichromacy



Original Color
69, 66.279, 52.218

Protanomaly
68, 48.808, 75.802

Deuteranomaly
69, 57.117, 68.573

Tritanomaly
69, 54.559, 34.133

Monochromacy



Original Color
69, 66.279, 52.218

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 22.262, 54.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 66.758, 52.043 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 66.758, 52.043 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, 74) }
```

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

```
.border{ border-color:rgb(255, 136, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 66.758, 52.043 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, 74) }
```

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

```
.background{ background-color: rgb(255,  
136, 74) }
```

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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