

Converting Colors

CIELCh(69, 74.083, 57.468)

Have a look what the booklet for
CIELCh(69, 74.083, 57.468) contains.

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Color

CIELCh(69, 74.003, 57.553)

Conversions

Conversions Part 1

Format	Color
Hex	FF8833
RGB	255, 136, 51
RGB Percent	100%, 53%, 20%
CMY	0.0000, 0.4648, 0.7982
CMYK	0.00, 0.46, 0.80, 0.00
HSL	25°, 100%, 60%
HSV	25°, 80%, 100%
XYZ	50.9183, 39.3444, 8.0962
YIQ	161.8910, 98.2090, -1.2070

Conversions

Conversions Part 2

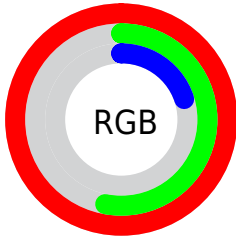
Format	Color
R _Y B	255, 197, 51
Decimal	16746547
CIE Lab	69.00, 39.70, 62.45
CIE LCh	69, 74.003, 57.553
Yxy	39.3444, 0.5177, 0.4000
Android (android.graphics.Color)	4294936627 (0xFFFF8833)
YUV	161.8910, -54.6693, 81.6566
Hunter-Lab	62.7251, 35.1319, 36.2548

Details

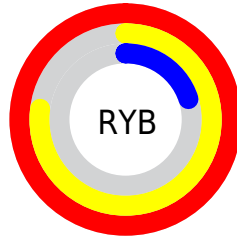
The CIELCh color **69, 74.003, 57.553** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **67, 51.302, 265.924**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 53.960, 75.072**, and **49, 70.939, 55.632** is the 20% darker color. If you saturate the color by 10%, you get **66, 82.655, 56.010**, and if you desaturate by 10%, it is **72, 63.669, 58.829**.

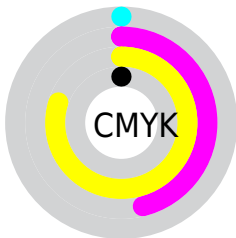
Distribution



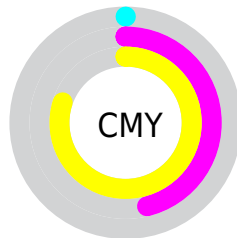
- Red (100%)
- Green (53%)
- Blue (20%)



- Red (100%)
- Yellow (77%)
- Blue (20%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 74.003, 57.553 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, 74.003, 57.553 by changing the saturation by 10% instead.

69, 74.003, 57.553

69, 74.003, 57.553

100, 74.003,
57.553

59, 74.003, 57.553

89, 74.003, 57.553

49, 74.003, 57.553

99, 74.003, 57.553

39, 74.003, 57.553

29, 74.003, 57.553

19, 74.003, 57.553

9, 74.003, 57.553

0, 74.003, 57.553

69, 74.003, 57.553

69, 74.003, 57.553

66, 82.655, 56.010

72, 63.669, 58.829

63, 89.097, 53.584

76, 53.265, 59.833

63, 89.209, 53.543

80, 43.103, 60.804

83, 33.403, 61.793

87, 24.238, 62.813

92, 15.614, 63.855

96, 7.502, 64.889

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, 74.003, 57.553



67, 51.302, 265.924

Rectangle

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



69, 74.003, 57.553



69, 74.003, 107.553



69, 74.003, 237.553



69, 74.003, 287.553

Sweetspot

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



69, 73.805, 57.656



90, 19.157, 63.418



59, 82.840, 349.282



46, 13.308, 63.047



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, 73.805, 57.656



64, 86.839, 54.547



93, 84.612, 98.543



51, 4.340, 64.921



48, 71.465, 54.234



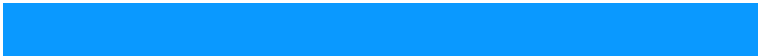
15, 27.329, 53.827

Inverse Universe

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



67, 51.302, 265.924



62, 59.908, 273.791



41, 108.981, 301.750



51, 4.190, 247.198



46, 49.285, 274.841



14, 20.501, 267.729

Previews

White Background



This preview shows how the CIELCh color 69, 74.003, 57.553 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, 74.003, 57.553 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, 74.003, 57.553

Background



This preview shows how black text looks on a background with the CIELCh color 69, 74.003, 57.553.



This preview shows how white text looks on a background with the CIELCh color 69, 74.003, 57.553.

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, 74.003, 57.553

Protanopia

69, 56.674, 95.704

Deuteranopia

69, 64.223, 82.029



Tritanopia
69, 50.891, 20.267

Trichromacy



Original Color
69, 74.003, 57.553

Protanomaly
68, 58.739, 79.123

Deuteranomaly
69, 66.226, 71.766

Tritanomaly
69, 56.319, 38.515

Monochromacy



Original Color
69, 74.003, 57.553

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 25.372, 62.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 74.003, 57.553 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 74.003, 57.553 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, 51) }
```

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

```
.border{ border-color:rgb(255, 136, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 74.003, 57.553 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
136, 51) }
```

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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