

Converting Colors

CIELCh(69, 84.431, 62.684)

Have a look what the booklet for
CIELCh(69, 84.431, 62.684) contains.

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Color

CIELCh(69, 84.102, 62.861)

Conversions

Conversions Part 1

Format	Color
Hex	FF8903
RGB	255, 137, 3
RGB Percent	100%, 54%, 1%
CMY	0.0000, 0.4613, 0.9888
CMYK	0.00, 0.46, 0.99, 0.00
HSL	32°, 100%, 51%
HSV	32°, 99%, 100%
XYZ	50.4156, 39.3444, 5.0187
YIQ	157.0060, 113.3420, -16.6580

Conversions

Conversions Part 2

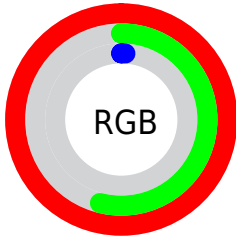
Format	Color
R _Y B	225, 255, 3
Decimal	16746755
CIE Lab	69.00, 38.36, 74.84
CIE LCh	69, 84.102, 62.861
Yxy	39.3444, 0.5319, 0.4151
Android (android.graphics.Color)	4294936835 (0xFFFF8903)
YUV	157.0060, -75.9250, 85.9407
Hunter-Lab	62.7251, 33.7012, 39.1637

Details

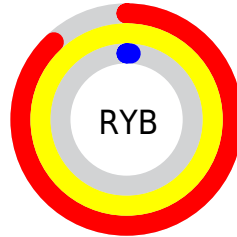
The CIELCh color **69, 84.102, 62.861** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **53, 77.823, 287.628**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 66.010, 79.359**, and **49, 70.387, 56.198** is the 20% darker color. If you saturate the color by 10%, you get **69, 84.452, 62.625**, and if you desaturate by 10%, it is **72, 79.043, 65.798**.

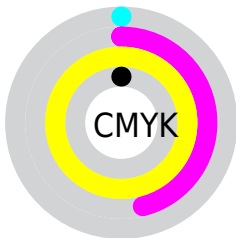
Distribution



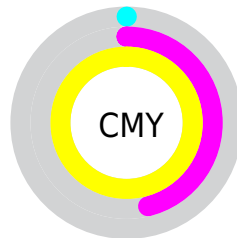
- Red (100%)
- Green (54%)
- Blue (1%)



- Red (88%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (46%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 84.102, 62.861 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, 84.102, 62.861 by changing the saturation by 10% instead.

 69, 84.102, 62.861

 69, 84.102, 62.861

 100, 84.102,
62.861

 59, 84.102, 62.861

 89, 84.102, 62.861

 49, 84.102, 62.861

 99, 84.102, 62.861

 39, 84.102, 62.861

 29, 84.102, 62.861

 19, 84.102, 62.861

 9, 84.102, 62.861

 0, 84.102, 62.861

 69, 84.102, 62.861

 69, 84.102, 62.861

 69, 84.452, 62.625

 72, 79.043, 65.798

74, 71.571, 67.932

77, 62.537, 69.630

80, 52.896, 71.122

83, 43.192, 72.524

87, 33.692, 73.884

90, 24.512, 75.217

93, 15.691, 76.524

97, 7.226, 77.783

Harmonies

Complementary

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



69, 84.102, 62.861



53, 77.823, 287.628

Rectangle

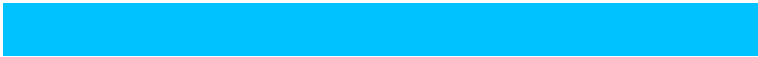
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 84.102, 62.861



69, 84.102, 112.861



69, 84.102, 242.861



69, 84.102, 292.861

Sweetspot

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



69, 83.959, 62.949



90, 25.523, 75.069



55, 84.259, 5.703



46, 17.567, 74.509



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, 83.959, 62.949



69, 84.452, 62.625



97, 96.808, 104.949



51, 4.632, 77.707



53, 67.829, 63.323



17, 27.039, 65.189

Inverse Universe

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



53, 77.823, 287.628



52, 78.757, 288.096



33, 133.187, 306.285



50, 4.553, 260.284



40, 62.304, 287.296



11, 25.210, 281.013

Previews

White Background



This preview shows how the CIELCh color 69, 84.102, 62.861 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, 84.102, 62.861 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, 84.102, 62.861

Background



This preview shows how black text looks on a background with the CIELCh color 69, 84.102, 62.861.



This preview shows how white text looks on a background with the CIELCh color 69, 84.102, 62.861.

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, 83.985, 62.814

Protanopia

69, 68.964, 95.160

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 50.891, 20.267

Trichromacy



Original Color
69, 83.985, 62.814

Protanomaly
68, 71.267, 81.345

Deuteranomaly
69, 75.699, 75.185

Tritanomaly
69, 61.696, 45.951

Monochromacy



Original Color
69, 83.985, 62.814

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 33.458, 72.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 84.102, 62.861 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, 137, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 3)  
}
```

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, 137, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 84.102, 62.861 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, 137, 3) }
```

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

```
.border{ border-color:rgb(255, 137, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 84.102, 62.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 3) }
```

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

```
.background{ background-color: rgb(255,  
137, 3) }
```

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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