

Converting Colors

CIELCh(68, 85.043, 61.071)

Have a look what the booklet for
CIELCh(68, 85.043, 61.071) contains.

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Color

CIELCh(68, 84.727, 61.161)

Conversions

Conversions Part 1

Format	Color
Hex	FF8403
RGB	255, 132, 3
RGB Percent	100%, 52%, 1%
CMY	0.0000, 0.4807, 0.9885
CMYK	0.00, 0.48, 0.99, 0.00
HSL	31°, 100%, 51%
HSV	31°, 99%, 100%
XYZ	49.7439, 37.9720, 4.7912
YIQ	154.0710, 114.7170, -14.0430

Conversions

Conversions Part 2

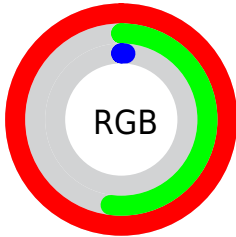
Format	Color
R _Y B	243, 255, 3
Decimal	16745475
CIE Lab	68.00, 40.87, 74.22
CIE LCh	68, 84.727, 61.161
Yxy	37.9720, 0.5377, 0.4105
Android (android.graphics.Color)	4294935555 (0xFFFF8403)
YUV	154.0710, -74.4780, 88.5147
Hunter-Lab	61.6215, 36.2566, 38.5251

Details

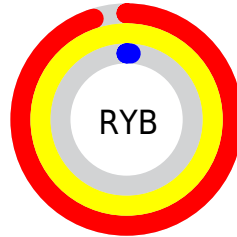
The CIELCh color **68, 84.727, 61.161** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **54, 74.820, 285.832**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 65.736, 77.039**, and **48, 71.346, 54.323** is the 20% darker color. If you saturate the color by 10%, you get **68, 85.103, 60.926**, and if you desaturate by 10%, it is **71, 79.345, 64.074**.

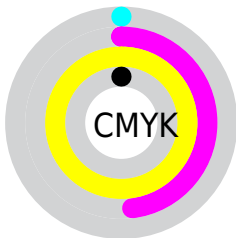
Distribution



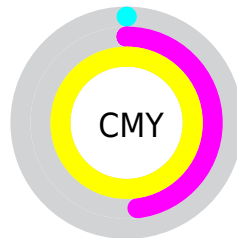
- Red (100%)
- Green (52%)
- Blue (1%)



- Red (95%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (48%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (48%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 84.727, 61.161 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, 84.727, 61.161 by changing the saturation by 10% instead.

 68, 84.727, 61.161  68, 84.727, 61.161

 100, 84.727,
61.161  58, 84.727, 61.161

 88, 84.727, 61.161  48, 84.727, 61.161

 98, 84.727, 61.161  38, 84.727, 61.161


 28, 84.727, 61.161

 18, 84.727, 61.161

 8, 84.727, 61.161

 0, 84.727, 61.161

 68, 84.727, 61.161  68, 84.727, 61.161

 68, 85.103, 60.926  71, 79.345, 64.074

73, 71.602, 66.157

76, 62.376, 67.797

79, 52.620, 69.235

83, 42.864, 70.590

86, 33.363, 71.910

90, 24.221, 73.211

93, 15.470, 74.491

97, 7.101, 75.727

Harmonies

Complementary

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



68, 84.727, 61.161



54, 74.820, 285.832

Rectangle

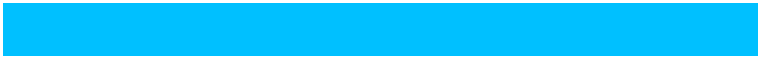
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 84.727, 61.161



68, 84.727, 111.161



68, 84.727, 241.161



68, 84.727, 291.161

Sweetspot

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



68, 84.563, 61.253



89, 25.250, 73.063



55, 84.508, 2.456



46, 17.393, 72.516



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, 84.563, 61.253



68, 85.103, 60.926



97, 96.711, 102.866



51, 4.567, 75.650



52, 68.317, 61.633



16, 27.011, 63.198

Inverse Universe

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



54, 74.820, 285.832



54, 75.724, 286.326



32, 133.316, 306.218



50, 4.475, 258.205



41, 59.924, 285.501



12, 24.327, 279.056

Previews

White Background



This preview shows how the CIELCh color 68, 84.727, 61.161 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, 84.727, 61.161 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, 84.727, 61.161

Background



This preview shows how black text looks on a background with the CIELCh color 68, 84.727, 61.161.



This preview shows how white text looks on a background with the CIELCh color 68, 84.727, 61.161.

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

68, 84.608, 61.111

Protanopia

68, 67.770, 95.025

Deuteranopia

68, 72.314, 83.000



Tritanopia
68, 53.202, 20.890

Trichromacy



Original Color
68, 84.608, 61.111

Protanomaly
67, 70.433, 80.624

Deuteranomaly
68, 75.173, 74.070

Tritanomaly
68, 63.568, 44.688

Monochromacy



Original Color
68, 84.608, 61.111

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 33.286, 70.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 84.727, 61.161 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, 132, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 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, 132, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 84.727, 61.161 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, 132, 3) }
```

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

```
.border{ border-color:rgb(255, 132, 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, 132, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 84.727, 61.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 3) }
```

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

```
.background{ background-color: rgb(255,  
132, 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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