

Converting Colors

CIELCh(68, 82.318, 61.600)

Have a look what the booklet for
CIELCh(68, 82.318, 61.600) contains.

CIELCh(68, 82.380, 61.602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 82.380, 61.602)

Conversions

Conversions Part 1

Format	Color
Hex	FD860E
RGB	253, 134, 14
RGB Percent	99%, 53%, 5%
CMY	0.0078, 0.4744, 0.9450
CMYK	0.00, 0.47, 0.94, 0.01
HSL	30°, 98%, 52%
HSV	30°, 94%, 99%
XYZ	49.1211, 37.9720, 5.1568
YIQ	155.9010, 109.4440, -12.0920

Conversions

Conversions Part 2

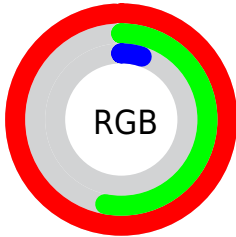
Format	Color
R _Y B	251, 253, 14
Decimal	16614926
CIE Lab	68.00, 39.18, 72.47
CIE LCh	68, 82.380, 61.602
Yxy	37.9720, 0.5325, 0.4116
Android (android.graphics.Color)	4294805006 (0xFFFD860E)
YUV	155.9010, -69.9572, 85.1558
Hunter-Lab	61.6215, 34.4525, 38.1733

Details

The CIELCh color **68, 82.380, 61.602** 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 **56, 69.360, 282.700**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 64.024, 77.416**, and **48, 70.220, 55.413** is the 20% darker color. If you saturate the color by 10%, you get **67, 85.008, 59.972**, and if you desaturate by 10%, it is **71, 75.871, 64.058**.

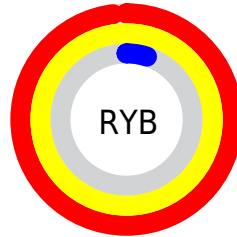
Distribution



Red (99%)

Green (53%)

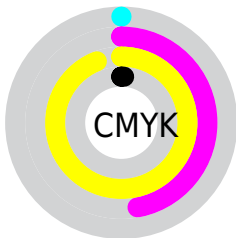
Blue (5%)



Red (98%)

Yellow (99%)

Blue (5%)

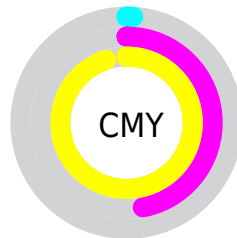


Cyan (0%)

Magenta (47%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (47%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 82.380, 61.602 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, 82.380, 61.602 by changing the saturation by 10% instead.

68, 82.380, 61.602

68, 82.380, 61.602

100, 82.380,
61.602

58, 82.380, 61.602

88, 82.380, 61.602

48, 82.380, 61.602

98, 82.380, 61.602

38, 82.380, 61.602

28, 82.380, 61.602

18, 82.380, 61.602

8, 82.380, 61.602

0, 82.380, 61.602

68, 82.380, 61.602

68, 82.380, 61.602

67, 85.008, 59.972

71, 75.871, 64.058

74, 67.239, 65.864

77, 57.656, 67.353

80, 47.863, 68.709

83, 38.239, 70.015

87, 28.953, 71.300

90, 20.065, 72.571

94, 11.581, 73.819

98, 3.482, 74.975

Harmonies

Complementary

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



68, 82.380, 61.602



56, 69.360, 282.700

Rectangle

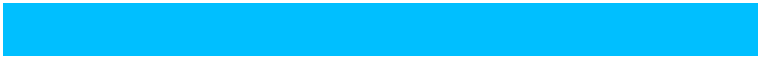
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 82.380, 61.602



68, 82.380, 111.602



68, 82.380, 241.602



68, 82.380, 291.602

Sweetspot

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



68, 82.378, 61.604



90, 23.319, 72.121



55, 83.593, 0.575



46, 16.266, 71.571



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, 82.378, 61.604



67, 85.520, 59.955



96, 95.347, 102.923



51, 4.531, 74.417



51, 68.633, 60.665



16, 27.009, 62.035

Inverse Universe

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



56, 69.360, 282.700



54, 73.975, 285.230



33, 130.567, 305.942



51, 4.432, 256.954



41, 58.553, 284.391



12, 23.822, 277.853

Previews

White Background



This preview shows how the CIELCh color 68, 82.380, 61.602 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, 82.380, 61.602 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, 82.380, 61.602

Background



This preview shows how black text looks on a background with the CIELCh color 68, 82.380, 61.602.



This preview shows how white text looks on a background with the CIELCh color 68, 82.380, 61.602.

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, 82.380, 61.602

Protanopia

68, 67.163, 95.444

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 53.100, 20.317

Trichromacy



Original Color
68, 82.380, 61.602

Protanomaly
68, 69.054, 81.164

Deuteranomaly
68, 74.678, 74.357

Tritanomaly
68, 61.406, 43.397

Monochromacy



Original Color
68, 82.380, 61.602

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 31.247, 70.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 82.380, 61.602 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(253, 134, 14)` looks like.

```
.text, #text, p{  
    color:rgb(253, 134, 14)  
}
```

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(253, 134, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 134, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 82.380, 61.602 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(253, 134, 14) }
```

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

```
.border{ border-color:rgb(253, 134, 14) }
```

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

Here you see how a box with a 4 pixel rgb(253, 134, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 134, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 134, 14);  
box-shadow:4px 4px 4px 4px rgb(253, 134,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 82.380, 61.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 134, 14) }
```

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

```
.background{ background-color: rgb(253,  
134, 14) }
```

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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