

Converting Colors

CIELCh(69, 80.449, 61.833)

Have a look what the booklet for
CIELCh(69, 80.449, 61.833) contains.

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Color

CIELCh(69, 80.371, 62.027)

Conversions

Conversions Part 1

Format	Color
Hex	FE8A19
RGB	254, 138, 25
RGB Percent	100%, 54%, 10%
CMY	0.0037, 0.4586, 0.9017
CMYK	0.00, 0.46, 0.90, 0.00
HSL	30°, 99%, 55%
HSV	30°, 90%, 100%
XYZ	50.1676, 39.3444, 5.8739
YIQ	159.8020, 105.4090, -10.5510

Conversions

Conversions Part 2

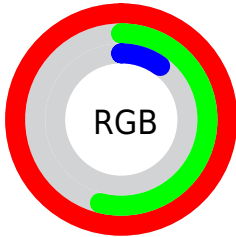
Format	Color
RYB	254, 248, 25
Decimal	16681497
CIELab	69.00, 37.70, 70.98
CIELCh	69, 80.371, 62.027
Yxy	39.3444, 0.5259, 0.4125
Android (android.graphics.Color)	4294871577 (0xFFFE8A19)
YUV	159.8020, -66.4574, 82.6116
Hunter-Lab	62.7251, 32.9955, 38.3553

Details

The CIELCh color **69, 80.371, 62.027** 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 **58, 65.330, 279.812**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 62.160, 78.693**, and **49, 69.840, 56.779** is the 20% darker color. If you saturate the color by 10%, you get **66, 85.605, 59.251**, and if you desaturate by 10%, it is **72, 72.642, 64.124**.

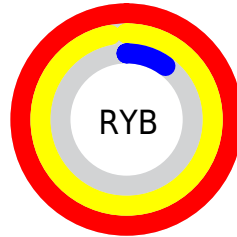
Distribution



Red (100%)

Green (54%)

Blue (10%)



Red (100%)

Yellow (97%)

Blue (10%)

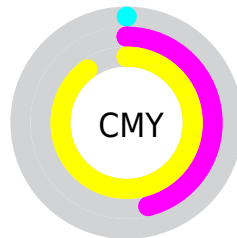


Cyan (0%)

Magenta (46%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 80.371, 62.027 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, 80.371, 62.027 by changing the saturation by 10% instead.

69, 80.371, 62.027

69, 80.371, 62.027

100, 80.371,
62.027

59, 80.371, 62.027

89, 80.371, 62.027

49, 80.371, 62.027

99, 80.371, 62.027

39, 80.371, 62.027

29, 80.371, 62.027

19, 80.371, 62.027

9, 80.371, 62.027

0, 80.371, 62.027

69, 80.371, 62.027

69, 80.371, 62.027

66, 85.605, 59.251

72, 72.642, 64.124

75, 63.358, 65.728

78, 53.528, 67.114

81, 43.714, 68.415

85, 34.183, 69.687

88, 25.043, 70.947

92, 16.324, 72.194

96, 8.016, 73.409

100, 0.092, 69.802

Harmonies

Complementary

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



69, 80.371, 62.027



58, 65.330, 279.812

Rectangle

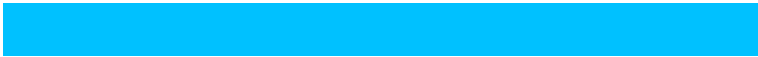
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 80.371, 62.027



69, 80.371, 112.027



69, 80.371, 242.027



69, 80.371, 292.027

Sweetspot

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



69, 80.369, 62.030



90, 22.337, 71.338



56, 83.552, 357.446



47, 15.179, 70.910



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, 80.369, 62.030



67, 85.849, 59.243



96, 93.340, 102.023



51, 4.506, 73.482



51, 68.882, 59.953



16, 27.016, 61.169

Inverse Universe

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



58, 65.330, 279.812



55, 72.682, 284.381



34, 127.051, 305.303



51, 4.402, 256.004



42, 57.541, 283.532



12, 23.452, 276.925

Previews

White Background



This preview shows how the CIELCh color 69, 80.371, 62.027 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, 80.371, 62.027 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, 80.371, 62.027

Background



This preview shows how black text looks on a background with the CIELCh color 69, 80.371, 62.027.



This preview shows how white text looks on a background with the CIELCh color 69, 80.371, 62.027.

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, 80.371, 62.027

Protanopia

69, 65.892, 95.116

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 50.891, 20.267

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 80.371, 62.027 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(254, 138, 25)` looks like.

```
.text, #text, p{  
    color:rgb(254, 138, 25)  
}
```

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(254, 138, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 138, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 80.371, 62.027 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(254, 138, 25) }
```

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

```
.border{ border-color:rgb(254, 138, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 138, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 138, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 138, 25);  
box-shadow:4px 4px 4px 4px rgb(254, 138,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 80.371, 62.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 138, 25) }
```

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

```
.background{ background-color: rgb(254,  
138, 25) }
```

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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