

Converting Colors

CIELCh(69, 80.676, 61.517)

Have a look what the booklet for
CIELCh(69, 80.676, 61.517) contains.

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Color

CIELCh(69, 80.601, 61.374)

Conversions

Conversions Part 1

Format	Color
Hex	FF891A
RGB	255, 137, 26
RGB Percent	100%, 54%, 10%
CMY	0.0000, 0.4618, 0.8968
CMYK	0.00, 0.46, 0.90, 0.00
HSL	29°, 100%, 55%
HSV	29°, 90%, 100%
XYZ	50.5098, 39.3444, 5.9283
YIQ	159.6280, 105.9590, -9.5050

Conversions

Conversions Part 2

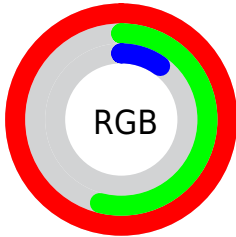
Format	Color
R _Y B	255, 241, 26
Decimal	16746778
CIE Lab	69.00, 38.62, 70.75
CIE LCh	69, 80.601, 61.374
Yxy	39.3444, 0.5273, 0.4108
Android (android.graphics.Color)	4294936858 (0xFFFF891A)
YUV	159.6280, -65.8786, 83.6412
Hunter-Lab	62.7251, 33.9694, 38.3040

Details

The CIELCh color **69, 80.601, 61.374** 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 **59, 64.174, 278.716**, 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, 70.387, 56.198** is the 20% darker color. If you saturate the color by 10%, you get **66, 86.012, 58.652**, and if you desaturate by 10%, it is **72, 72.546, 63.460**.

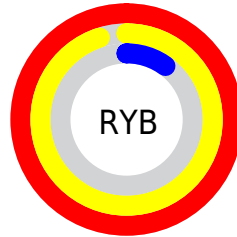
Distribution



Red (100%)

Green (54%)

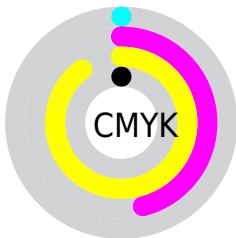
Blue (10%)



Red (100%)

Yellow (95%)

Blue (10%)

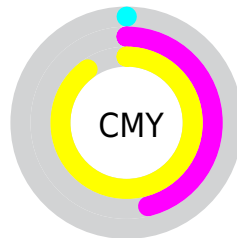


Cyan (0%)

Magenta (46%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 80.601, 61.374 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, 80.601, 61.374 by changing the saturation by 10% instead.

 69, 80.601, 61.374

 69, 80.601, 61.374

 100, 80.601,
61.374

 59, 80.601, 61.374

 89, 80.601, 61.374

 49, 80.601, 61.374

 99, 80.601, 61.374

 39, 80.601, 61.374

 29, 80.601, 61.374

 19, 80.601, 61.374

 9, 80.601, 61.374

 0, 80.601, 61.374

 69, 80.601, 61.374

 69, 80.601, 61.374

 66, 86.012, 58.652

 72, 72.546, 63.460

66, 86.180, 58.564

75, 63.106, 65.015

78, 53.182, 66.363

82, 43.317, 67.634

85, 33.764, 68.881

89, 24.622, 70.121

92, 15.916, 71.351

96, 7.633, 72.549

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, 80.601, 61.374



59, 64.174, 278.716

Rectangle

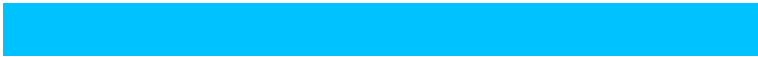
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 80.601, 61.374



69, 80.601, 111.374



69, 80.601, 241.374



69, 80.601, 291.374

Sweetspot

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



69, 80.507, 61.429



90, 22.250, 70.451



56, 83.700, 357.291



47, 15.123, 70.029



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, 80.507, 61.429



66, 86.180, 58.564



96, 93.458, 102.037



51, 4.483, 72.568



51, 69.134, 59.276



16, 27.028, 60.335

Inverse Universe

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



59, 64.174, 278.716



56, 71.445, 283.536



35, 127.032, 305.247



51, 4.373, 255.072



42, 56.573, 282.677



12, 23.099, 276.005

Previews

White Background



This preview shows how the CIELCh color 69, 80.601, 61.374 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, 80.601, 61.374 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, 80.601, 61.374

Background



This preview shows how black text looks on a background with the CIELCh color 69, 80.601, 61.374.



This preview shows how white text looks on a background with the CIELCh color 69, 80.601, 61.374.

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, 80.601, 61.374

Protanopia

69, 65.611, 95.111

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 50.891, 20.267

Trichromacy



Original Color
69, 80.601, 61.374

Protanomaly
68, 67.508, 80.568

Deuteranomaly
69, 74.606, 74.895

Tritanomaly
69, 58.888, 42.451

Monochromacy



Original Color
69, 80.601, 61.374

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 29.713, 68.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 80.601, 61.374 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 80.601, 61.374 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, 26) }
```

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

```
.border{ border-color:rgb(255, 137, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 80.601, 61.374 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, 26) }
```

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

```
.background{ background-color: rgb(255,  
137, 26) }
```

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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