

Converting Colors

CIELCh(69, 82.100, 61.802)

Have a look what the booklet for
CIELCh(69, 82.100, 61.802) contains.

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Color

CIELCh(69, 81.920, 61.955)

Conversions

Conversions Part 1

Format	Color
Hex	FF8913
RGB	255, 137, 19
RGB Percent	100%, 54%, 7%
CMY	0.0000, 0.4616, 0.9236
CMYK	0.00, 0.46, 0.92, 0.00
HSL	30°, 100%, 54%
HSV	30°, 92%, 100%
XYZ	50.4727, 39.3444, 5.5715
YIQ	158.8300, 108.2060, -11.6820

Conversions

Conversions Part 2

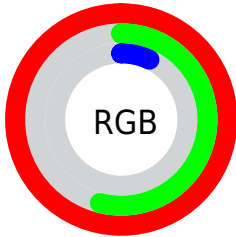
Format	Color
R _Y B	255, 255, 19
Decimal	16746771
CIE Lab	69.00, 38.52, 72.30
CIE LCh	69, 81.920, 61.955
Yxy	39.3444, 0.5291, 0.4125
Android (android.graphics.Color)	4294936851 (0xFFFF8913)
YUV	158.8300, -68.9362, 84.3411
Hunter-Lab	62.7251, 33.8637, 38.6412

Details

The CIELCh color **69, 81.920, 61.955** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **57, 68.006, 281.559**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 63.637, 78.680**, and **49, 70.387, 56.198** is the 20% darker color. If you saturate the color by 10%, you get **67, 85.590, 59.800**, and if you desaturate by 10%, it is **72, 74.686, 64.305**.

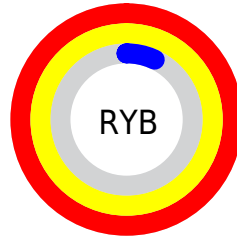
Distribution



Red (100%)

Green (54%)

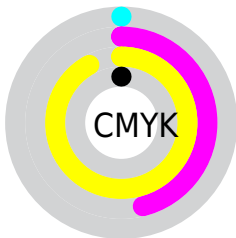
Blue (7%)



Red (100%)

Yellow (100%)

Blue (7%)

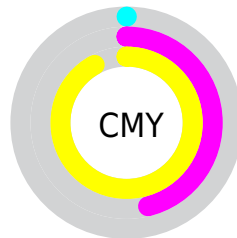


Cyan (0%)

Magenta (46%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 81.920, 61.955 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, 81.920, 61.955 by changing the saturation by 10% instead.

69, 81.920, 61.955

69, 81.920, 61.955

100, 81.920,
61.955

59, 81.920, 61.955

89, 81.920, 61.955

49, 81.920, 61.955

99, 81.920, 61.955

39, 81.920, 61.955

29, 81.920, 61.955

19, 81.920, 61.955

9, 81.920, 61.955

0, 81.920, 61.955

69, 81.920, 61.955

69, 81.920, 61.955

67, 85.590, 59.800

72, 74.686, 64.305

75, 65.697, 66.017

78, 55.948, 67.462

81, 46.099, 68.798

85, 36.473, 70.093

88, 27.209, 71.372

92, 18.355, 72.636

95, 9.907, 73.874

99, 1.843, 74.915

Harmonies

Complementary

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



69, 81.920, 61.955



57, 68.006, 281.559

Rectangle

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



69, 81.920, 61.955



69, 81.920, 111.955



69, 81.920, 241.955



69, 81.920, 291.955

Sweetspot

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



69, 81.807, 62.023



90, 23.297, 71.925



56, 83.811, 359.747



46, 16.252, 71.377



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, 81.807, 62.023



67, 85.590, 59.800



97, 95.418, 102.958



51, 4.526, 74.216



51, 68.686, 60.510



16, 27.010, 61.848

Inverse Universe

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



57, 68.006, 281.559



55, 73.694, 285.049



34, 130.141, 305.774



51, 4.426, 256.750



41, 58.334, 284.208



12, 23.742, 277.655

Previews

White Background



This preview shows how the CIELCh color 69, 81.920, 61.955 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, 81.920, 61.955 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, 81.920, 61.955

Background



This preview shows how black text looks on a background with the CIELCh color 69, 81.920, 61.955.



This preview shows how white text looks on a background with the CIELCh color 69, 81.920, 61.955.

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, 81.920, 61.955

Protanopia

69, 67.203, 95.138

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 50.891, 20.267

Trichromacy



Original Color
69, 81.920, 61.955

Protanomaly
68, 68.997, 80.889

Deuteranomaly
69, 74.966, 74.992

Tritanomaly
69, 59.494, 43.266

Monochromacy



Original Color
69, 81.920, 61.955

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 30.657, 69.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 81.920, 61.955 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 81.920, 61.955 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, 19) }
```

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

```
.border{ border-color:rgb(255, 137, 19) }
```

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, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 81.920, 61.955 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, 19) }
```

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

```
.background{ background-color: rgb(255,  
137, 19) }
```

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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