

Converting Colors

CIELCh(73, 80.643, 68.965)

Have a look what the booklet for
CIELCh(73, 80.643, 68.965) contains.

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Color

CIELCh(73, 80.470, 69.039)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C13
RGB	255, 156, 19
RGB Percent	100%, 61%, 7%
CMY	0.0000, 0.3877, 0.9244
CMYK	0.00, 0.39, 0.92, 0.00
HSL	35°, 100%, 54%
HSV	35°, 92%, 100%
XYZ	53.3344, 45.1644, 6.5345
YIQ	169.9830, 102.9810, -21.6190

Conversions

Conversions Part 2

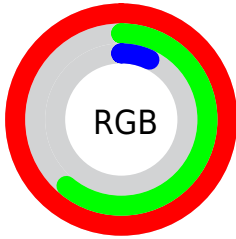
Format	Color
R_{YB}	190, 255, 19
Decimal	16751635
CIE Lab	73.00, 28.79, 75.14
CIE LCh	73, 80.470, 69.039
Yxy	45.1644, 0.5078, 0.4300
Android (android.graphics.Color)	4294941715 (0xFFFF9C13)
YUV	169.9830, -74.4346, 74.5599
Hunter-Lab	67.2044, 24.0525, 41.2782

Details

The CIELCh color **73, 80.470, 69.039** 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 **52, 79.174, 288.781**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 66.322, 87.986**, and **53, 67.847, 64.026** is the 20% darker color. If you saturate the color by 10%, you get **71, 83.252, 66.863**, and if you desaturate by 10%, it is **75, 74.447, 71.475**.

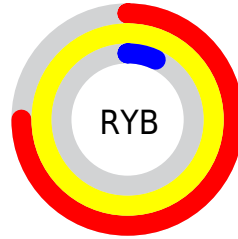
Distribution



Red (100%)

Green (61%)

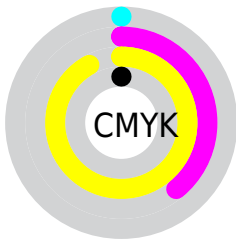
Blue (7%)



Red (75%)

Yellow (100%)

Blue (7%)

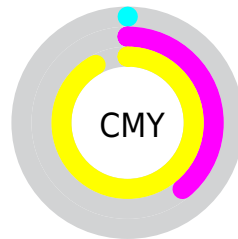


Cyan (0%)

Magenta (39%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 80.470, 69.039 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 73, 80.470, 69.039 by changing the saturation by 10% instead.

73, 80.470, 69.039

73, 80.470, 69.039

100, 80.470,
69.039

63, 80.470, 69.039

93, 80.470, 69.039

53, 80.470, 69.039

43, 80.470, 69.039

33, 80.470, 69.039

23, 80.470, 69.039

13, 80.470, 69.039

3, 80.470, 69.039

0, 80.470, 69.039

73, 80.470, 69.039

73, 80.470, 69.039

71, 83.252, 66.863

75, 74.447, 71.475

78, 66.331, 73.364

81, 57.128, 74.992

84, 47.541, 76.492

87, 37.954, 77.927

90, 28.554, 79.320

93, 19.423, 80.676

96, 10.584, 81.988

99, 2.036, 83.132

Harmonies

Complementary

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



73, 80.470, 69.039



52, 79.174, 288.781

Rectangle

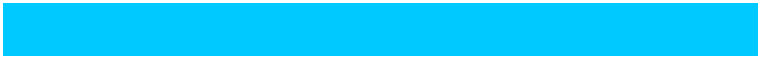
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 80.470, 69.039



73, 80.470, 119.039



73, 80.470, 249.039



73, 80.470, 299.039

Sweetspot

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



73, 80.420, 69.082



91, 24.462, 79.927



55, 83.096, 5.851



47, 17.010, 79.337



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 80.420, 69.082



71, 83.252, 66.863



96, 95.725, 106.882



52, 4.811, 82.360



55, 66.945, 67.526



17, 27.242, 69.935

Inverse Universe

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



52, 79.174, 288.781



49, 86.167, 291.860



34, 129.702, 306.057



50, 4.760, 264.950



37, 68.135, 291.118



10, 27.413, 285.234

Previews

White Background



This preview shows how the CIELCh color 73, 80.470, 69.039 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 73, 80.470, 69.039 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 73, 80.470, 69.039

Background



This preview shows how black text looks on a background with the CIELCh color 73, 80.470, 69.039.



This preview shows how white text looks on a background with the CIELCh color 73, 80.470, 69.039.

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

73, 80.470, 69.039

Protanopia

73, 71.450, 95.245

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 42.630, 17.318

Trichromacy



Original Color
73, 80.470, 69.039

Protanomaly
73, 72.487, 84.878

Deuteranomaly
73, 77.488, 77.804

Tritanomaly
73, 52.442, 48.842

Monochromacy



Original Color
73, 80.470, 69.039

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 31.543, 78.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 80.470, 69.039 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, 156, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 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, 156, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 80.470, 69.039 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, 156, 19) }
```

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

```
.border{ border-color:rgb(255, 156, 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, 156, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 80.470, 69.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 19) }
```

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

```
.background{ background-color: rgb(255,  
156, 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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