

Converting Colors

CIELCh(73, 79.822, 68.816)

Have a look what the booklet for
CIELCh(73, 79.822, 68.816) contains.

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Color

CIELCh(73, 79.782, 68.808)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C17
RGB	255, 156, 23
RGB Percent	100%, 61%, 9%
CMY	0.0000, 0.3878, 0.9090
CMYK	0.00, 0.39, 0.91, 0.00
HSL	34°, 100%, 55%
HSV	34°, 91%, 100%
XYZ	53.3554, 45.1644, 6.7262
YIQ	170.4390, 101.6970, -20.3750

Conversions

Conversions Part 2

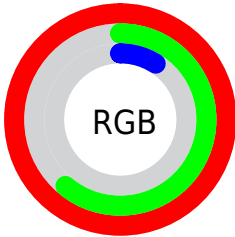
Format	Color
R_{YB}	196, 255, 23
Decimal	16751639
CIE Lab	73.00, 28.84, 74.39
CIE LCh	73, 79.782, 68.808
Yxy	45.1644, 0.5070, 0.4291
Android (android.graphics.Color)	4294941719 (0xFFFF9C17)
YUV	170.4390, -72.6874, 74.1600
Hunter-Lab	67.2044, 24.1081, 41.1091

Details

The CIELCh color **73, 79.782, 68.808** 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 **53, 76.755, 287.560**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 65.513, 87.866**, and **53, 67.847, 64.026** is the 20% darker color. If you saturate the color by 10%, you get **71, 83.401, 66.200**, and if you desaturate by 10%, it is **76, 73.270, 71.141**.

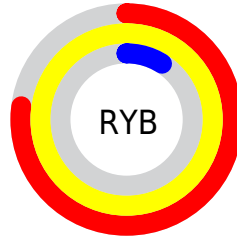
Distribution



Red (100%)

Green (61%)

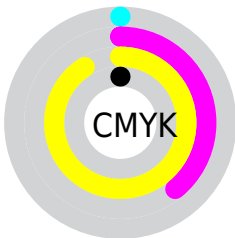
Blue (9%)



Red (77%)

Yellow (100%)

Blue (9%)

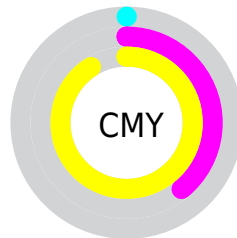


Cyan (0%)

Magenta (39%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 79.782, 68.808 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, 79.782, 68.808 by changing the saturation by 10% instead.

73, 79.782, 68.808

73, 79.782, 68.808

100, 79.782,
68.808

63, 79.782, 68.808

93, 79.782, 68.808

53, 79.782, 68.808

43, 79.782, 68.808

33, 79.782, 68.808

23, 79.782, 68.808

13, 79.782, 68.808

3, 79.782, 68.808

0, 79.782, 68.808

73, 79.782, 68.808

73, 79.782, 68.808

71, 83.401, 66.200

76, 73.270, 71.141

78, 64.857, 72.971

81, 55.520, 74.565

84, 45.900, 76.045

87, 36.339, 77.466

90, 26.998, 78.849

93, 17.944, 80.196

96, 9.193, 81.496

100, 0.739, 82.314

Harmonies

Complementary

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



73, 79.782, 68.808



53, 76.755, 287.560

Rectangle

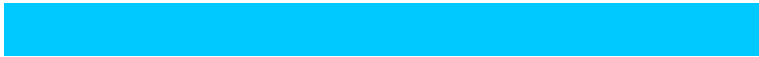
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 79.782, 68.808



73, 79.782, 118.808



73, 79.782, 248.808



73, 79.782, 298.808

Sweetspot

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



73, 79.741, 68.843



91, 23.429, 79.379



55, 82.720, 5.152



48, 15.881, 78.915



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, 79.741, 68.843



71, 83.401, 66.200



96, 95.272, 106.865



52, 4.782, 81.672



54, 67.053, 66.869



17, 27.199, 69.212

Inverse Universe

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



53, 76.755, 287.560



50, 85.021, 291.323



35, 128.609, 305.945



50, 4.726, 264.262



37, 67.231, 290.572



10, 27.068, 284.627

Previews

White Background



This preview shows how the CIELCh color 73, 79.782, 68.808 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, 79.782, 68.808 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, 79.782, 68.808

Background



This preview shows how black text looks on a background with the CIELCh color 73, 79.782, 68.808.



This preview shows how white text looks on a background with the CIELCh color 73, 79.782, 68.808.

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, 79.782, 68.808

Protanopia

73, 70.775, 95.238

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 42.630, 17.318

Trichromacy



Original Color
73, 79.782, 68.808

Protanomaly
73, 71.639, 84.754

Deuteranomaly
73, 77.378, 77.780

Tritanomaly
73, 52.109, 48.413

Monochromacy



Original Color
73, 79.782, 68.808

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 31.027, 77.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 79.782, 68.808 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 79.782, 68.808 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, 23) }
```

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

```
.border{ border-color:rgb(255, 156, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 79.782, 68.808 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, 23) }
```

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

```
.background{ background-color: rgb(255,  
156, 23) }
```

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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