

Converting Colors

CIELCh(73, 81.358, 70.302)

Have a look what the booklet for
CIELCh(73, 81.358, 70.302) contains.

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Color

CIELCh(73, 81.293, 70.352)

Conversions

Conversions Part 1

Format	Color
Hex	FD9D09
RGB	253, 157, 9
RGB Percent	99%, 62%, 4%
CMY	0.0066, 0.3833, 0.9657
CMYK	0.00, 0.38, 0.97, 0.01
HSL	36°, 99%, 51%
HSV	36°, 97%, 99%
XYZ	52.7728, 45.1644, 6.1866
YIQ	168.8320, 104.7240, -25.6760

Conversions

Conversions Part 2

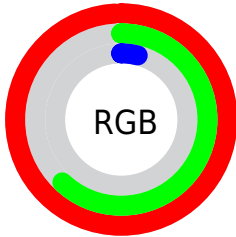
Format	Color
RYB	167, 253, 9
Decimal	16620809
CIELab	73.00, 27.33, 76.56
CIELCh	73, 81.293, 70.352
Yxy	45.1644, 0.5068, 0.4338
Android (android.graphics.Color)	4294810889 (0xFFFD9D09)
YUV	168.8320, -78.7972, 73.8153
Hunter-Lab	67.2044, 22.5607, 41.5851

Details

The CIELCh color **73, 81.293, 70.352** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **49, 86.570, 292.407**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 67.757, 88.595**, and **53, 67.088, 65.021** is the 20% darker color. If you saturate the color by 10%, you get **72, 82.396, 69.362**, and if you desaturate by 10%, it is **75, 76.870, 72.984**.

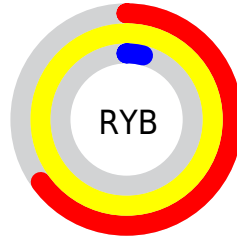
Distribution



Red (99%)

Green (62%)

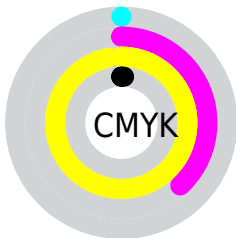
Blue (4%)



Red (65%)

Yellow (99%)

Blue (4%)

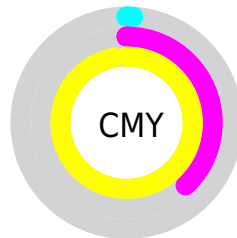


Cyan (0%)

Magenta (38%)

Yellow (97%)

Black (1%)



Cyan (1%)

Magenta (38%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 81.293, 70.352 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, 81.293, 70.352 by changing the saturation by 10% instead.

73, 81.293, 70.352

73, 81.293, 70.352

100, 81.293,
70.352

63, 81.293, 70.352

93, 81.293, 70.352

53, 81.293, 70.352

43, 81.293, 70.352

33, 81.293, 70.352

23, 81.293, 70.352

13, 81.293, 70.352

3, 81.293, 70.352

0, 81.293, 70.352

73, 81.293, 70.352

73, 81.293, 70.352

72, 82.396, 69.362

75, 76.870, 72.984

78, 69.824, 75.033

80, 61.195, 76.756

83, 51.844, 78.313

86, 42.285, 79.785

88, 32.787, 81.205

91, 23.480, 82.585

94, 14.419, 83.922

97, 5.618, 85.190

Harmonies

Complementary

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



73, 81.293, 70.352



49, 86.570, 292.407

Rectangle

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



73, 81.293, 70.352



73, 81.293, 120.352



73, 81.293, 250.352



73, 81.293, 300.352

Sweetspot

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



73, 81.291, 70.355



91, 25.877, 82.249



54, 83.735, 11.015



47, 17.864, 81.661



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, 81.291, 70.355



73, 82.813, 69.349



95, 96.493, 108.945



52, 4.926, 84.828



56, 66.635, 69.983



18, 27.442, 72.589

Inverse Universe

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



49, 86.570, 292.407



47, 90.418, 293.730



33, 130.983, 306.416



50, 4.890, 267.404



36, 71.492, 293.023



10, 28.708, 287.368

Previews

White Background



This preview shows how the CIELCh color 73, 81.293, 70.352 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, 81.293, 70.352 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, 81.293, 70.352

Background



This preview shows how black text looks on a background with the CIELCh color 73, 81.293, 70.352.



This preview shows how white text looks on a background with the CIELCh color 73, 81.293, 70.352.

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, 81.185, 70.319

Protanopia

73, 72.877, 94.906

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 42.586, 16.604

Trichromacy



Original Color
73, 81.185, 70.319

Protanomaly
73, 74.022, 85.494

Deuteranomaly
73, 77.935, 77.902

Tritanomaly
73, 53.413, 50.691

Monochromacy



Original Color
73, 81.185, 70.319

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 33.251, 80.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 81.293, 70.352 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(253, 157, 9)` looks like.

```
.text, #text, p{  
    color:rgb(253, 157, 9)  
}
```

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(253, 157, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 157, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 81.293, 70.352 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(253, 157, 9) }
```

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

```
.border{ border-color:rgb(253, 157, 9) }
```

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

Here you see how a box with a 4 pixel rgb(253, 157, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 157, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 157, 9);  
box-shadow:4px 4px 4px 4px rgb(253, 157,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 81.293, 70.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 157, 9) }
```

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

```
.background{ background-color: rgb(253,  
157, 9) }
```

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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