

Converting Colors

CIELCh(73, 81.733, 70.614)

Have a look what the booklet for
CIELCh(73, 81.733, 70.614) contains.

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Color

CIELCh(73, 81.728, 70.485)

Conversions

Conversions Part 1

Format	Color
Hex	FD9D05
RGB	253, 157, 5
RGB Percent	99%, 62%, 2%
CMY	0.0065, 0.3832, 0.9813
CMYK	0.00, 0.38, 0.98, 0.01
HSL	37°, 99%, 51%
HSV	37°, 98%, 99%
XYZ	52.7603, 45.1644, 6.0731
YIQ	168.3760, 106.0080, -26.9200

Conversions

Conversions Part 2

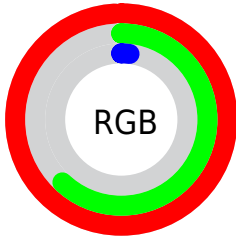
Format	Color
RYB	162, 253, 5
Decimal	16620805
CIELab	73.00, 27.30, 77.03
CIELCh	73, 81.728, 70.485
Yxy	45.1644, 0.5073, 0.4343
Android (android.graphics.Color)	4294810885 (0xFFFD9D05)
YUV	168.3760, -80.5444, 74.2152
Hunter-Lab	67.2044, 22.5275, 41.6852

Details

The CIELCh color **73, 81.728, 70.485** 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 **48, 89.085, 293.440**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 68.538, 88.696**, and **53, 67.088, 65.021** is the 20% darker color. If you saturate the color by 10%, you get **73, 82.324, 69.957**, and if you desaturate by 10%, it is **75, 77.788, 73.188**.

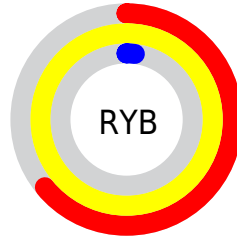
Distribution



Red (99%)

Green (62%)

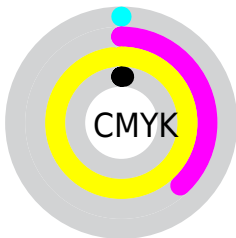
Blue (2%)



Red (64%)

Yellow (99%)

Blue (2%)

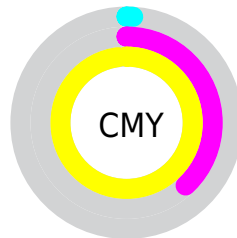


Cyan (0%)

Magenta (38%)

Yellow (98%)

Black (1%)



Cyan (1%)

Magenta (38%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 81.728, 70.485 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, 81.728, 70.485 by changing the saturation by 10% instead.

73, 81.728, 70.485

73, 81.728, 70.485

100, 81.728,
70.485

63, 81.728, 70.485

93, 81.728, 70.485

53, 81.728, 70.485

43, 81.728, 70.485

33, 81.728, 70.485

23, 81.728, 70.485

13, 81.728, 70.485

3, 81.728, 70.485

0, 81.728, 70.485

73, 81.728, 70.485

73, 81.728, 70.485

73, 82.324, 69.957

75, 77.788, 73.188

78, 71.157, 75.302

80, 62.757, 77.061

83, 53.499, 78.639

85, 43.951, 80.123

88, 34.417, 81.551

91, 25.049, 82.937

94, 15.911, 84.282

97, 7.024, 85.566

Harmonies

Complementary

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



73, 81.728, 70.485



48, 89.085, 293.440

Rectangle

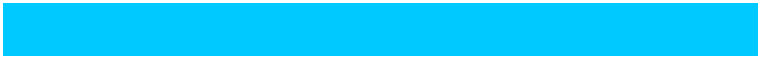
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 81.728, 70.485



73, 81.728, 120.485



73, 81.728, 250.485



73, 81.728, 300.485

Sweetspot

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



73, 81.726, 70.488



91, 26.001, 82.816



54, 84.109, 11.832



47, 17.946, 82.227



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, 81.726, 70.488



73, 82.736, 69.944



95, 96.791, 109.006



52, 4.954, 85.394



56, 66.583, 70.570



18, 27.497, 73.211

Inverse Universe

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



48, 89.085, 293.440



47, 91.426, 294.148



33, 131.724, 306.468



50, 4.922, 267.966



35, 72.288, 293.448



9, 29.019, 287.848

Previews

White Background



This preview shows how the CIELCh color 73, 81.728, 70.485 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, 81.728, 70.485 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, 81.728, 70.485

Background



This preview shows how black text looks on a background with the CIELCh color 73, 81.728, 70.485.



This preview shows how white text looks on a background with the CIELCh color 73, 81.728, 70.485.

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, 81.619, 70.452

Protanopia

73, 73.046, 94.908

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 42.586, 16.604

Trichromacy



Original Color
73, 81.619, 70.452

Protanomaly
73, 74.306, 85.530

Deuteranomaly
73, 78.047, 77.926

Tritanomaly
73, 53.760, 51.090

Monochromacy



Original Color
73, 81.619, 70.452

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 34.221, 80.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 81.728, 70.485 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(253, 157, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 157, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 81.728, 70.485 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, 5) }
```

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

```
.border{ border-color:rgb(253, 157, 5) }
```

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, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 157, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 157, 5);  
box-shadow:4px 4px 4px 4px rgb(253, 157,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 81.728, 70.485 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, 5) }
```

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

```
.background{ background-color: rgb(253,  
157, 5) }
```

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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