

Converting Colors

CIELCh(72, 73.291, 64.482)

Have a look what the booklet for
CIELCh(72, 73.291, 64.482) contains.

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Color

CIELCh(72, 73.410, 64.156)

Conversions

Conversions Part 1

Format	Color
Hex	FF9731
RGB	255, 151, 49
RGB Percent	100%, 59%, 19%
CMY	0.0000, 0.4075, 0.8075
CMYK	0.00, 0.41, 0.81, 0.00
HSL	30°, 100%, 60%
HSV	30°, 81%, 100%
XYZ	52.9104, 43.6590, 8.5536
YIQ	170.4680, 94.7260, -9.6740

Conversions

Conversions Part 2

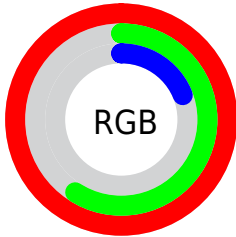
Format	Color
R _Y B	255, 251, 49
Decimal	16750385
CIE Lab	72.00, 32.00, 66.07
CIE LCh	72, 73.410, 64.156
Yxy	43.6590, 0.5033, 0.4153
Android (android.graphics.Color)	4294940465 (0xFFFF9731)
YUV	170.4680, -59.8837, 74.1346
Hunter-Lab	66.0750, 27.3049, 38.5772

Details

The CIELCh color **72, 73.410, 64.156** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **62, 59.137, 275.783**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 57.112, 83.911**, and **52, 68.470, 61.785** is the 20% darker color. If you saturate the color by 10%, you get **69, 80.957, 62.034**, and if you desaturate by 10%, it is **75, 64.151, 65.814**.

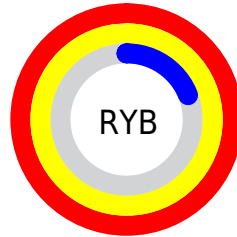
Distribution



Red (100%)

Green (59%)

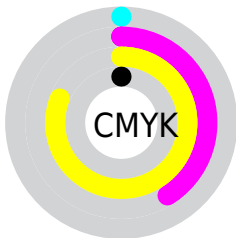
Blue (19%)



Red (100%)

Yellow (98%)

Blue (19%)

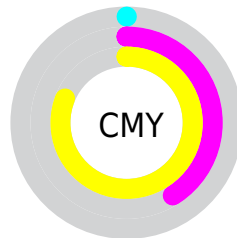


Cyan (0%)

Magenta (41%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (41%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 73.410, 64.156 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 72, 73.410, 64.156 by changing the saturation by 10% instead.

 72, 73.410, 64.156

 72, 73.410, 64.156

 100, 73.410,
64.156

 62, 73.410, 64.156

 92, 73.410, 64.156

 52, 73.410, 64.156

 42, 73.410, 64.156

 32, 73.410, 64.156

 22, 73.410, 64.156

 12, 73.410, 64.156

 2, 73.410, 64.156

 0, 73.410, 64.156

 72, 73.410, 64.156

 72, 73.410, 64.156

69, 80.957, 62.034

75, 64.151, 65.814

67, 85.774, 59.401

78, 54.319, 67.217

82, 44.472, 68.527

85, 34.892, 69.806

89, 25.697, 71.071

92, 16.921, 72.324

96, 8.556, 73.546

100, 0.575, 74.048

100, 0.012,
296.813

Harmonies

Complementary

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



72, 73.410, 64.156



62, 59.137, 275.783

Rectangle

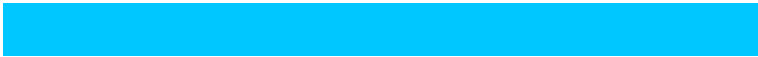
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 73.410, 64.156



72, 73.410, 114.156



72, 73.410, 244.156



72, 73.410, 294.156

Sweetspot

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



72, 73.378, 64.180



91, 19.728, 71.919



58, 80.880, 354.438



47, 13.672, 71.472



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 73.378, 64.180



67, 84.309, 60.263



96, 89.327, 102.405



51, 4.512, 73.693



51, 68.826, 60.112



16, 27.014, 61.363

Inverse Universe

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



62, 59.137, 275.783



56, 70.746, 283.228



39, 117.293, 303.793



51, 4.409, 256.218



42, 57.767, 283.727



12, 23.534, 277.136

Previews

White Background



This preview shows how the CIELCh color 72, 73.410, 64.156 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 72, 73.410, 64.156 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 72, 73.410, 64.156

Background



This preview shows how black text looks on a background with the CIELCh color 72, 73.410, 64.156.



This preview shows how white text looks on a background with the CIELCh color 72, 73.410, 64.156.

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

72, 73.410, 64.156

Protanopia

72, 61.573, 95.311

Deuteranopia

72, 67.833, 82.054



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 73.410, 64.156

Protanomaly
72, 63.394, 82.712

Deuteranomaly
72, 68.947, 75.031

Tritanomaly
72, 50.785, 42.082

Monochromacy



Original Color
72, 73.410, 64.156

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 26.033, 70.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 73.410, 64.156 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, 151, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 49)  
}
```

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, 151, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 73.410, 64.156 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, 151, 49) }
```

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

```
.border{ border-color:rgb(255, 151, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 73.410, 64.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 49) }
```

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

```
.background{ background-color: rgb(255,  
151, 49) }
```

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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