

Converting Colors

CIELCh(64, 74.415, 70.514)

Have a look what the booklet for
CIELCh(64, 74.415, 70.514) contains.

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Color

CIELCh(64, 73.935, 70.676)

Conversions

Conversions Part 1

Format	Color
Hex	DC8800
RGB	220, 136, 0
RGB Percent	86%, 53%, 0%
CMY	0.1375, 0.4668, 1.0000
CMYK	0.00, 0.38, 1.00, 0.14
HSL	37°, 100%, 43%
HSV	37°, 100%, 86%
XYZ	38.2951, 32.8017, 4.3101
YIQ	145.6120, 93.7200, -24.4880

Conversions

Conversions Part 2

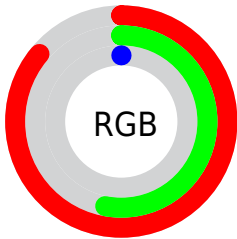
Format	Color
RYB	136, 220, 0
Decimal	14452736
CIELab	64.00, 24.47, 69.77
CIElCh	64, 73.935, 70.676
Yxy	32.8017, 0.5078, 0.4350
Android (android.graphics.Color)	4292642816 (0xFFDC8800)
YUV	145.6120, -71.7867, 65.2383
Hunter-Lab	57.2727, 19.1257, 35.6290

Details

The CIELCh color **64, 73.935, 70.676** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **40, 81.686, 294.113**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 66.885, 78.716**, and **44, 58.901, 64.519** is the 20% darker color. If you saturate the color by 10%, you get **64, 73.921, 70.674**, and if you desaturate by 10%, it is **66, 70.473, 73.320**.

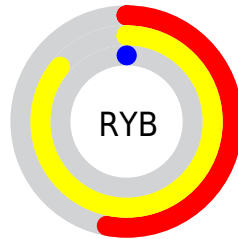
Distribution



Red (86%)

Green (53%)

Blue (0%)



Red (53%)

Yellow (86%)

Blue (0%)

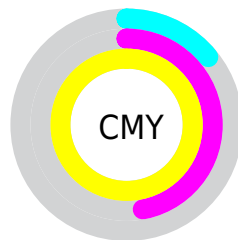


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 73.935, 70.676 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 64, 73.935, 70.676 by changing the saturation by 10% instead.

64, 73.935, 70.676

64, 73.935, 70.676

100, 73.935,
70.676

54, 73.935, 70.676

84, 73.935, 70.676

44, 73.935, 70.676

94, 73.935, 70.676

34, 73.935, 70.676

24, 73.935, 70.676

14, 73.935, 70.676

4, 73.935, 70.676

0, 73.935, 70.676

64, 73.935, 70.676

64, 73.935, 70.676

64, 73.921, 70.674

66, 70.473, 73.320

68, 64.862, 75.469

70, 57.554, 77.246

73, 49.382, 78.829

75, 40.887, 80.312

77, 32.365, 81.736

80, 23.966, 83.118

82, 15.758, 84.459

85, 7.766, 85.747

Harmonies

Complementary

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



64, 73.935, 70.676



40, 81.686, 294.113

Rectangle

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



64, 73.935, 70.676



64, 73.935, 120.676



64, 73.935, 250.676



64, 73.935, 300.676

Sweetspot

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



64, 73.921, 70.674



91, 27.029, 83.084



47, 76.233, 13.962



47, 18.544, 82.501



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 73.921, 70.674



73, 82.687, 70.376



83, 87.514, 110.029



45, 4.394, 85.818



51, 61.863, 71.245



12, 18.942, 73.363

Inverse Universe

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



40, 81.686, 294.113



47, 92.154, 294.444



28, 118.979, 306.647



43, 4.369, 268.346



32, 67.242, 293.464



6, 21.395, 282.877

Previews

White Background



This preview shows how the CIELCh color 64, 73.935, 70.676 looks on a white background.

Color Contrast Check

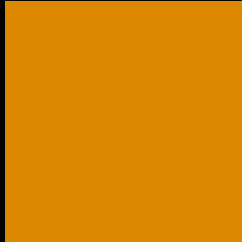
Large Text (above 18pt) WCAG AA × Fail

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 64, 73.935, 70.676 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 64, 73.935, 70.676

Background



This preview shows how black text looks on a background with the CIELCh color 64, 73.935, 70.676.



This preview shows how white text looks on a background with the CIELCh color 64, 73.935, 70.676.

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

64, 73.935, 70.676

Protanopia

64, 65.451, 95.369

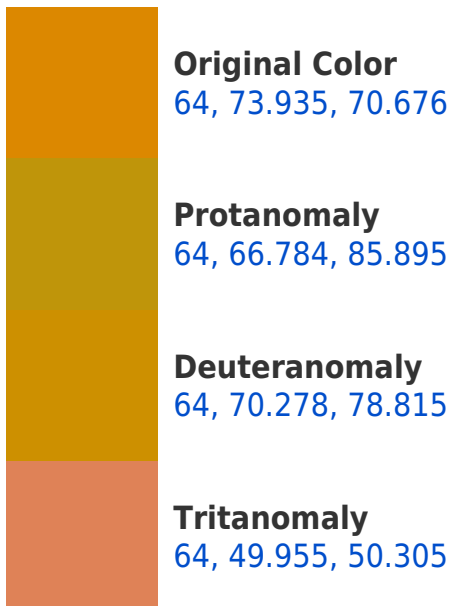
Deuteranopia

64, 69.037, 83.431



Tritanopia
64, 40.897, 16.506

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 73.935, 70.676 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(220, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 136, 0)  
}
```

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(220, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 136, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 73.935, 70.676 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(220, 136, 0) }
```

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

```
.border{ border-color:rgb(220, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 136,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 73.935, 70.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 136, 0) }
```

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

```
.background{ background-color: rgb(220,  
136, 0) }
```

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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