

Converting Colors

CIELCh(81, 87.389, 52.853)

Have a look what the booklet for
CIELCh(81, 87.389, 52.853) contains.

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Color

CIELCh(73, 66.729, 63.173)

Conversions

Conversions Part 1

Format	Color
Hex	FE9B44
RGB	254, 155, 68
RGB Percent	100%, 61%, 27%
CMY	0.0024, 0.3902, 0.7353
CMYK	0.00, 0.39, 0.73, 0.00
HSL	28°, 99%, 63%
HSV	28°, 73%, 100%
XYZ	53.8513, 45.1644, 11.2689
YIQ	174.6830, 86.9310, -6.0690

Conversions

Conversions Part 2

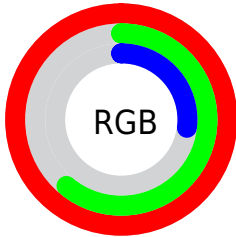
Format	Color
R _Y B	254, 231, 68
Decimal	16685892
CIE Lab	73.00, 30.11, 59.55
CIE LCh	73, 66.729, 63.173
Yxy	45.1644, 0.4883, 0.4095
Android (android.graphics.Color)	4294875972 (0xFFFE9B44)
YUV	174.6830, -52.5947, 69.5610
Hunter-Lab	67.2044, 25.4253, 37.1013

Details

The CIELCh color **73, 66.729, 63.173** 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 **66, 51.872, 269.900**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 49.934, 83.841**, and **53, 66.569, 62.880** is the 20% darker color. If you saturate the color by 10%, you get **70, 75.903, 61.550**, and if you desaturate by 10%, it is **76, 56.805, 64.518**.

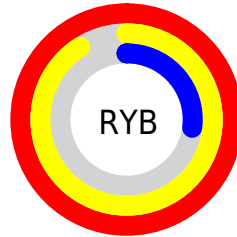
Distribution



Red (100%)

Green (61%)

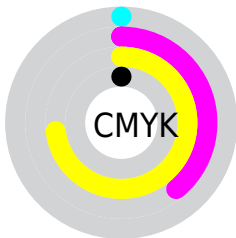
Blue (27%)



Red (100%)

Yellow (91%)

Blue (27%)

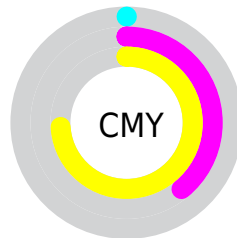


Cyan (0%)

Magenta (39%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 66.729, 63.173 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, 66.729, 63.173 by changing the saturation by 10% instead.

 73, 66.729, 63.173

 73, 66.729, 63.173

 100, 66.729,
63.173

 63, 66.729, 63.173

 93, 66.729, 63.173

 53, 66.729, 63.173

 43, 66.729, 63.173

 33, 66.729, 63.173

 23, 66.729, 63.173

 13, 66.729, 63.173

 3, 66.729, 63.173

 0, 66.729, 63.173

 73, 66.729, 63.173

 73, 66.729, 63.173

70, 75.903, 61.550

76, 56.805, 64.518

67, 83.156, 59.298

80, 46.826, 65.752

65, 86.608, 57.448

83, 37.123, 66.958

87, 27.835, 68.159

91, 19.003, 69.360

95, 10.620, 70.546

98, 2.659, 71.609

100, 0.208,
202.577

Harmonies

Complementary

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



73, 66.729, 63.173



66, 51.872, 269.900

Rectangle

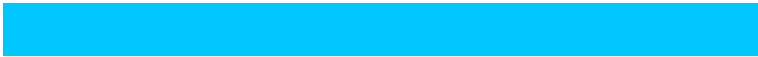
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 66.729, 63.173



73, 66.729, 113.173



73, 66.729, 243.173



73, 66.729, 293.173

Sweetspot

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



73, 66.728, 63.176



91, 17.781, 69.535



60, 77.467, 351.335



48, 12.034, 69.210



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, 66.728, 63.176



69, 79.665, 60.630



95, 83.172, 101.921



51, 4.446, 71.002



50, 69.581, 58.153



16, 27.062, 58.935

Inverse Universe

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



66, 51.872, 269.900



61, 61.372, 276.357



43, 105.233, 301.790



51, 4.328, 253.471



43, 54.964, 281.174



13, 22.517, 274.396

Previews

White Background



This preview shows how the CIELCh color 73, 66.729, 63.173 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, 66.729, 63.173 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, 66.729, 63.173

Background



This preview shows how black text looks on a background with the CIELCh color 73, 66.729, 63.173.



This preview shows how white text looks on a background with the CIELCh color 73, 66.729, 63.173.

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, 66.432, 62.933

Protanopia

73, 55.352, 95.586

Deuteranopia

73, 61.112, 81.495



Tritanopia
73, 42.630, 17.318

Trichromacy



Original Color
73, 66.432, 62.933

Protanomaly
73, 56.654, 82.087

Deuteranomaly
73, 62.114, 74.123

Tritanomaly
73, 47.462, 39.938

Monochromacy



Original Color
73, 66.432, 62.933

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 23.141, 68.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 66.729, 63.173 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(254, 155, 68)` looks like.

```
.text, #text, p{  
    color:rgb(254, 155, 68)  
}
```

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(254, 155, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 155, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 66.729, 63.173 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(254, 155, 68) }
```

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

```
.border{ border-color:rgb(254, 155, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 155, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 155, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 155, 68);  
box-shadow:4px 4px 4px 4px rgb(254, 155,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 66.729, 63.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 155, 68) }
```

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

```
.background{ background-color: rgb(254,  
155, 68) }
```

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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