

Converting Colors

CIELCh(71, 74.800, 63.455)

Have a look what the booklet for
CIELCh(71, 74.800, 63.455) contains.

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Color

CIELCh(71, 74.834, 63.396)

Conversions

Conversions Part 1

Format	Color
Hex	FE932C
RGB	254, 147, 44
RGB Percent	100%, 58%, 17%
CMY	0.0033, 0.4230, 0.8269
CMYK	0.00, 0.42, 0.83, 0.00
HSL	29°, 99%, 58%
HSV	29°, 83%, 100%
XYZ	51.8375, 42.1875, 7.8074
YIQ	167.2510, 96.8350, -9.3490

Conversions

Conversions Part 2

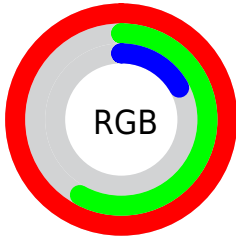
Format	Color
RYB	254, 246, 44
Decimal	16683820
CIELab	71.00, 33.51, 66.91
CIELCh	71, 74.834, 63.396
Yxy	42.1875, 0.5090, 0.4143
Android (android.graphics.Color)	4294873900 (0xFFFE932C)
YUV	167.2510, -60.7627, 76.0789
Hunter-Lab	64.9519, 28.7932, 38.3396

Details

The CIELCh color **71, 74.834, 63.396** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **62, 59.766, 276.072**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 58.008, 82.220**, and **51, 68.698, 60.282** is the 20% darker color. If you saturate the color by 10%, you get **68, 82.010, 61.132**, and if you desaturate by 10%, it is **74, 65.788, 65.082**.

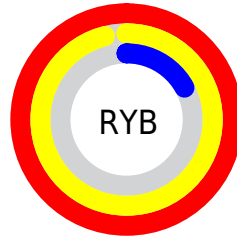
Distribution



Red (100%)

Green (58%)

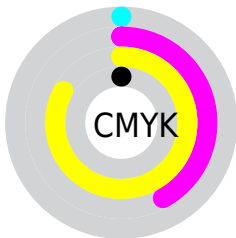
Blue (17%)



Red (100%)

Yellow (96%)

Blue (17%)

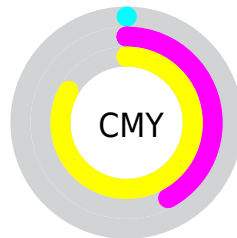


Cyan (0%)

Magenta (42%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (42%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 74.834, 63.396 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 71, 74.834, 63.396 by changing the saturation by 10% instead.

71, 74.834, 63.396

71, 74.834, 63.396

100, 74.834,
63.396

61, 74.834, 63.396

91, 74.834, 63.396

51, 74.834, 63.396

41, 74.834, 63.396

31, 74.834, 63.396

21, 74.834, 63.396

11, 74.834, 63.396

1, 74.834, 63.396

0, 74.834, 63.396

71, 74.834, 63.396

71, 74.834, 63.396

68, 82.010, 61.132

74, 65.788, 65.082

66, 85.744, 59.007

77, 56.001, 66.494

81, 46.133, 67.798

84, 36.509, 69.065

88, 27.264, 70.321

91, 18.444, 71.566

95, 10.043, 72.788

99, 2.037, 73.836

100, 0.296,
201.627

Harmonies

Complementary

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



71, 74.834, 63.396



62, 59.766, 276.072

Rectangle

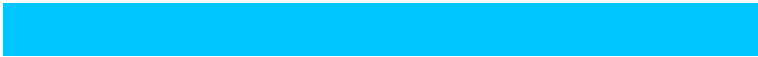
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 74.834, 63.396



71, 74.834, 113.396



71, 74.834, 243.396



71, 74.834, 293.396

Sweetspot

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



71, 74.832, 63.399



91, 20.550, 71.272



57, 81.432, 354.986



47, 14.144, 70.835



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 74.832, 63.399



67, 85.459, 59.277



96, 90.145, 102.316



51, 4.498, 73.158



51, 68.971, 59.711



16, 27.020, 60.872

Inverse Universe

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



62, 59.766, 276.072



56, 71.506, 283.639



37, 119.316, 304.141



51, 4.392, 255.673



42, 57.195, 283.231



12, 23.326, 276.600

Previews

White Background



This preview shows how the CIELCh color 71, 74.834, 63.396 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 71, 74.834, 63.396 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 71, 74.834, 63.396

Background



This preview shows how black text looks on a background with the CIELCh color 71, 74.834, 63.396.



This preview shows how white text looks on a background with the CIELCh color 71, 74.834, 63.396.

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

71, 74.834, 63.396

Protanopia

71, 62.568, 95.678

Deuteranopia

71, 68.597, 82.040



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 74.834, 63.396

Protanomaly
71, 63.937, 82.252

Deuteranomaly
71, 69.827, 75.104

Tritanomaly
71, 53.030, 42.110

Monochromacy



Original Color
71, 74.834, 63.396

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 26.903, 69.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 74.834, 63.396 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, 147, 44)` looks like.

```
.text, #text, p{  
    color:rgb(254, 147, 44)  
}
```

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, 147, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 147, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 74.834, 63.396 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, 147, 44) }
```

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

```
.border{ border-color:rgb(254, 147, 44) }
```

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

Here you see how a box with a 4 pixel rgb(254, 147, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 147, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 147, 44);  
box-shadow:4px 4px 4px 4px rgb(254, 147,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 74.834, 63.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 147, 44) }
```

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

```
.background{ background-color: rgb(254,  
147, 44) }
```

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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