

Converting Colors

CIELCh(71, 75.956, 63.689)

Have a look what the booklet for
CIELCh(71, 75.956, 63.689) contains.

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Color

CIELCh(71, 76.023, 63.571)

Conversions

Conversions Part 1

Format	Color
Hex	FF9329
RGB	255, 147, 41
RGB Percent	100%, 58%, 16%
CMY	0.0009, 0.4242, 0.8400
CMYK	0.00, 0.42, 0.84, 0.00
HSL	30°, 100%, 58%
HSV	30°, 84%, 100%
XYZ	51.9612, 42.1875, 7.4830
YIQ	167.2080, 98.3940, -10.0700

Conversions

Conversions Part 2

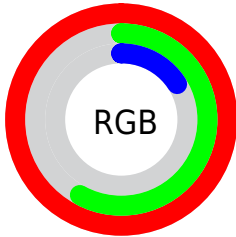
Format	Color
R _Y B	255, 251, 41
Decimal	16749353
CIE Lab	71.00, 33.84, 68.08
CIE LCh	71, 76.023, 63.571
Yxy	42.1875, 0.5113, 0.4151
Android (android.graphics.Color)	4294939433 (0xFFFF9329)
YUV	167.2080, -62.2205, 76.9936
Hunter-Lab	64.9519, 29.1332, 38.6356

Details

The CIELCh color **71, 76.023, 63.571** 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 **61, 61.384, 277.234**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 58.874, 82.463**, and **51, 69.047, 60.056** is the 20% darker color. If you saturate the color by 10%, you get **68, 82.780, 61.177**, and if you desaturate by 10%, it is **74, 67.199, 65.335**.

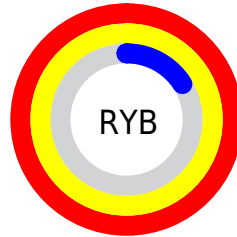
Distribution



Red (100%)

Green (58%)

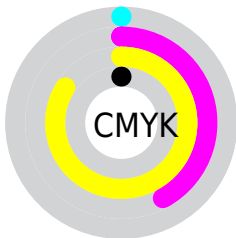
Blue (16%)



Red (100%)

Yellow (98%)

Blue (16%)

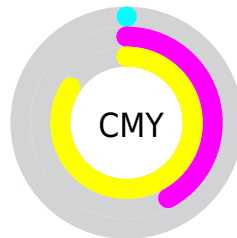


Cyan (0%)

Magenta (42%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (42%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 76.023, 63.571 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, 76.023, 63.571 by changing the saturation by 10% instead.

71, 76.023, 63.571

71, 76.023, 63.571

100, 76.023,
63.571

61, 76.023, 63.571

91, 76.023, 63.571

51, 76.023, 63.571

41, 76.023, 63.571

31, 76.023, 63.571

21, 76.023, 63.571

11, 76.023, 63.571

1, 76.023, 63.571

0, 76.023, 63.571

71, 76.023, 63.571

71, 76.023, 63.571

68, 82.780, 61.177

74, 67.199, 65.335

67, 85.711, 59.416

77, 57.486, 66.792

80, 47.609, 68.123

84, 37.931, 69.409

87, 28.612, 70.679

91, 19.706, 71.937

95, 11.215, 73.173

98, 3.118, 74.304

100, 0.076,
208.133

Harmonies

Complementary

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



71, 76.023, 63.571



61, 61.384, 277.234

Rectangle

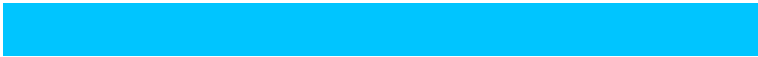
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 76.023, 63.571



71, 76.023, 113.571



71, 76.023, 243.571



71, 76.023, 293.571

Sweetspot

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



71, 76.021, 63.574



91, 20.602, 71.810



57, 82.084, 355.403



47, 14.177, 71.369



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, 76.021, 63.574



67, 85.768, 59.414



96, 91.022, 102.254



51, 4.512, 73.709



51, 68.821, 60.125



16, 27.014, 61.379

Inverse Universe

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



61, 61.384, 277.234



55, 72.994, 284.589



37, 121.157, 304.382



51, 4.409, 256.235



42, 57.785, 283.743



12, 23.541, 277.152

Previews

White Background



This preview shows how the CIELCh color 71, 76.023, 63.571 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, 76.023, 63.571 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, 76.023, 63.571

Background



This preview shows how black text looks on a background with the CIELCh color 71, 76.023, 63.571.



This preview shows how white text looks on a background with the CIELCh color 71, 76.023, 63.571.

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, 76.023, 63.571

Protanopia

71, 63.698, 95.299

Deuteranopia

71, 69.916, 82.296



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 76.023, 63.571

Protanomaly
71, 65.289, 82.543

Deuteranomaly
71, 71.140, 74.674

Tritanomaly
71, 53.523, 42.003

Monochromacy



Original Color
71, 76.023, 63.571

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 27.352, 70.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 76.023, 63.571 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, 147, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 41)  
}
```

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, 147, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 76.023, 63.571 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, 147, 41) }
```

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

```
.border{ border-color:rgb(255, 147, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 76.023, 63.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 41) }
```

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

```
.background{ background-color: rgb(255,  
147, 41) }
```

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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