

Converting Colors

CIELCh(71, 76.130, 63.700)

Have a look what the booklet for
CIELCh(71, 76.130, 63.700) contains.

CIELCh(71, 76.302, 63.696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(71, 76.302, 63.696)

Conversions

Conversions Part 1

Format	Color
Hex	FF9328
RGB	255, 147, 40
RGB Percent	100%, 58%, 16%
CMY	0.0008, 0.4242, 0.8439
CMYK	0.00, 0.42, 0.84, 0.00
HSL	30°, 100%, 58%
HSV	30°, 84%, 100%
XYZ	51.9516, 42.1875, 7.3947
YIQ	167.0940, 98.7150, -10.3810

Conversions

Conversions Part 2

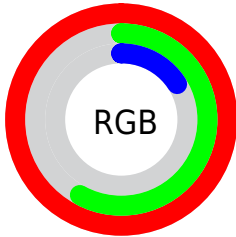
Format	Color
R _Y B	255, 253, 40
Decimal	16749352
CIE Lab	71.00, 33.81, 68.40
CIE LCh	71, 76.302, 63.696
Yxy	42.1875, 0.5117, 0.4155
Android (android.graphics.Color)	4294939432 (0xFFFF9328)
YUV	167.0940, -62.6573, 77.0936
Hunter-Lab	64.9519, 29.1070, 38.7163

Details

The CIELCh color **71, 76.302, 63.696** 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, 61.923, 277.658**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 59.305, 82.580**, and **51, 69.047, 60.056** is the 20% darker color. If you saturate the color by 10%, you get **68, 82.918, 61.261**, and if you desaturate by 10%, it is **74, 67.562, 65.487**.

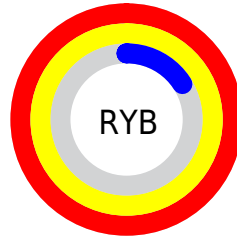
Distribution



Red (100%)

Green (58%)

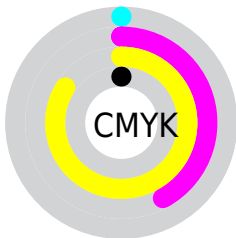
Blue (16%)



Red (100%)

Yellow (99%)

Blue (16%)

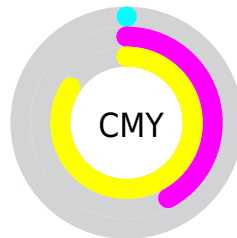


Cyan (0%)

Magenta (42%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (42%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 76.302, 63.696 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, 76.302, 63.696 by changing the saturation by 10% instead.

71, 76.302, 63.696

71, 76.302, 63.696

100, 76.302,
63.696

61, 76.302, 63.696

91, 76.302, 63.696

51, 76.302, 63.696

41, 76.302, 63.696

31, 76.302, 63.696

21, 76.302, 63.696

11, 76.302, 63.696

1, 76.302, 63.696

0, 76.302, 63.696

71, 76.302, 63.696

71, 76.302, 63.696

68, 82.918, 61.261

74, 67.562, 65.487

67, 85.626, 59.608

77, 57.886, 66.960

80, 48.018, 68.303

84, 38.333, 69.596

87, 28.997, 70.872

91, 20.069, 72.135

95, 11.555, 73.377

98, 3.432, 74.524

100, 0.071,
208.766

Harmonies

Complementary

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



71, 76.302, 63.696



61, 61.923, 277.658

Rectangle

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



71, 76.302, 63.696



71, 76.302, 113.696



71, 76.302, 243.696



71, 76.302, 293.696

Sweetspot

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



71, 76.300, 63.699



91, 20.627, 72.057



57, 82.221, 355.524



47, 14.193, 71.614



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, 76.300, 63.699



67, 85.679, 59.606



96, 91.217, 102.238



51, 4.519, 73.962



51, 68.753, 60.317



16, 27.012, 61.613

Inverse Universe

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



61, 61.923, 277.658



55, 73.343, 284.819



37, 121.607, 304.449



51, 4.417, 256.492



41, 58.058, 283.976



12, 23.641, 277.404

Previews

White Background



This preview shows how the CIELCh color 71, 76.302, 63.696 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, 76.302, 63.696 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, 76.302, 63.696

Background



This preview shows how black text looks on a background with the CIELCh color 71, 76.302, 63.696.



This preview shows how white text looks on a background with the CIELCh color 71, 76.302, 63.696.

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, 76.302, 63.696

Protanopia

71, 64.040, 95.308

Deuteranopia

71, 70.162, 82.342



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 76.302, 63.696

Protanomaly
71, 65.615, 82.610

Deuteranomaly
71, 71.405, 74.752

Tritanomaly
71, 53.815, 42.465

Monochromacy



Original Color
71, 76.302, 63.696

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, 76.302, 63.696 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 76.302, 63.696 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, 40) }
```

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

```
.border{ border-color:rgb(255, 147, 40) }
```

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, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 76.302, 63.696 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, 40) }
```

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

```
.background{ background-color: rgb(255,  
147, 40) }
```

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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