

Converting Colors

CIELCh(71, 72.973, 62.411)

Have a look what the booklet for
CIELCh(71, 72.973, 62.411) contains.

CIELCh(71, 72.999, 62.518)	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, 72.999, 62.518)

Conversions

Conversions Part 1

Format	Color
Hex	FE9332
RGB	254, 147, 50
RGB Percent	100%, 58%, 20%
CMY	0.0038, 0.4234, 0.8038
CMYK	0.00, 0.42, 0.80, 0.00
HSL	29°, 99%, 60%
HSV	29°, 80%, 100%
XYZ	51.9039, 42.1875, 8.4290
YIQ	167.9350, 94.9090, -7.4830

Conversions

Conversions Part 2

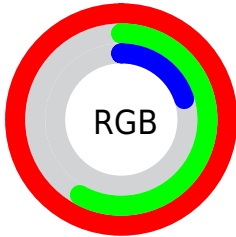
Format	Color
R_{YB}	254, 235, 50
Decimal	16683826
CIE _{Lab}	71.00, 33.69, 64.76
CIE _{LCh}	71, 72.999, 62.518
Yxy	42.1875, 0.5063, 0.4115
Android (android.graphics.Color)	4294873906 (0xFFFE9332)
YUV	167.9350, -58.1420, 75.4790
Hunter-Lab	64.9519, 28.9759, 37.7721

Details

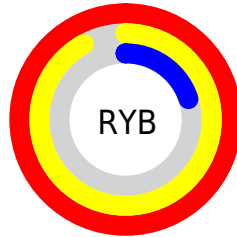
The CIELCh color **71, 72.999, 62.518** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **63, 56.663, 273.366**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 55.820, 81.563**, and **51, 68.698, 60.282** is the 20% darker color. If you saturate the color by 10%, you get **68, 80.935, 60.492**, and if you desaturate by 10%, it is **74, 63.541, 64.051**.

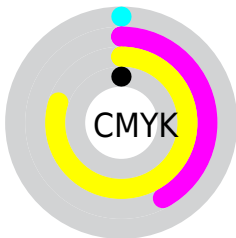
Distribution



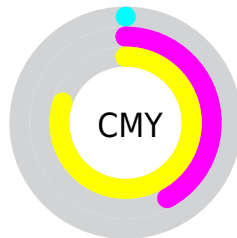
- Red (100%)
- Green (58%)
- Blue (20%)



- Red (100%)
- Yellow (92%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 72.999, 62.518 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, 72.999, 62.518 by changing the saturation by 10% instead.

71, 72.999, 62.518

71, 72.999, 62.518

100, 72.999,
62.518

61, 72.999, 62.518

91, 72.999, 62.518

51, 72.999, 62.518

41, 72.999, 62.518

31, 72.999, 62.518

21, 72.999, 62.518

11, 72.999, 62.518

1, 72.999, 62.518

0, 72.999, 62.518

71, 72.999, 62.518

71, 72.999, 62.518

68, 80.935, 60.492

74, 63.541, 64.051

66, 86.317, 57.817

77, 53.592, 65.367

81, 43.707, 66.605

84, 34.145, 67.823

88, 25.008, 69.038

92, 16.322, 70.247

96, 8.071, 71.431

100, 0.223, 70.610

100, 0.333,
201.375

Harmonies

Complementary

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



71, 72.999, 62.518



63, 56.663, 273.366

Rectangle

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



71, 72.999, 62.518



71, 72.999, 112.518



71, 72.999, 242.518



71, 72.999, 292.518

Sweetspot

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



71, 72.997, 62.521



91, 19.541, 69.801



58, 80.972, 353.041



47, 13.551, 69.370



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, 72.997, 62.521



67, 84.518, 58.946



95, 87.725, 101.492



51, 4.458, 71.522



50, 69.431, 58.520



16, 27.049, 59.395

Inverse Universe

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



63, 56.663, 273.366



58, 67.295, 280.690



39, 114.693, 303.286



51, 4.343, 254.003



43, 55.491, 281.678



12, 22.707, 274.935

Previews

White Background



This preview shows how the CIELCh color 71, 72.999, 62.518 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, 72.999, 62.518 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, 72.999, 62.518

Background



This preview shows how black text looks on a background with the CIELCh color 71, 72.999, 62.518.



This preview shows how white text looks on a background with the CIELCh color 71, 72.999, 62.518.

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, 72.999, 62.518

Protanopia

71, 60.335, 95.616

Deuteranopia

71, 66.319, 81.961



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 72.999, 62.518

Protanomaly
71, 61.949, 82.219

Deuteranomaly
71, 67.620, 73.954

Tritanomaly
71, 52.456, 41.158

Monochromacy



Original Color
71, 72.999, 62.518

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 25.573, 68.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 72.999, 62.518 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 147, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 147, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 72.999, 62.518 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, 50) }
```

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

```
.border{ border-color:rgb(254, 147, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 147, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 147, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 147,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 72.999, 62.518 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, 50) }
```

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

```
.background{ background-color: rgb(254,  
147, 50) }
```

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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