

Converting Colors

CIELCh(71, 72.453, 60.499)

Have a look what the booklet for
CIELCh(71, 72.453, 60.499) contains.

CIELCh(71, 71.861, 60.602)	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, 71.861, 60.602)

Conversions

Conversions Part 1

Format	Color
Hex	FF9238
RGB	255, 146, 56
RGB Percent	100%, 57%, 22%
CMY	0.0000, 0.4285, 0.7814
CMYK	0.00, 0.43, 0.78, 0.00
HSL	27°, 100%, 61%
HSV	27°, 78%, 100%
XYZ	52.5113, 42.1875, 9.0843
YIQ	168.3310, 93.8540, -4.8820

Conversions

Conversions Part 2

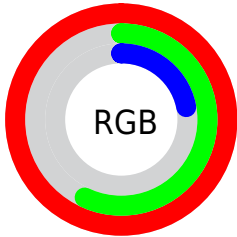
Format	Color
R_{YB}	255, 220, 56
Decimal	16749112
CIE _{Lab}	71.00, 35.27, 62.61
CIE _{LCh}	71, 71.861, 60.602
Yxy	42.1875, 0.5060, 0.4065
Android (android.graphics.Color)	4294939192 (0xFFFF9238)
YUV	168.3310, -55.3792, 76.0087
Hunter-Lab	64.9519, 30.6449, 37.1739

Details

The CIELCh color **71, 71.861, 60.602** 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, 53.255, 269.578**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 53.408, 80.227**, and **51, 69.201, 59.633** is the 20% darker color. If you saturate the color by 10%, you get **68, 80.275, 59.029**, and if you desaturate by 10%, it is **74, 61.660, 62.134**.

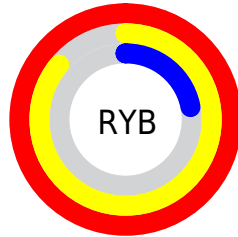
Distribution



Red (100%)

Green (57%)

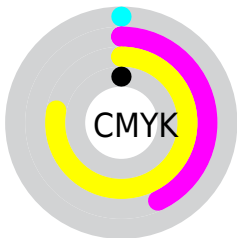
Blue (22%)



Red (100%)

Yellow (86%)

Blue (22%)

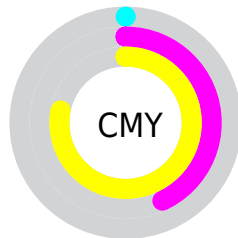


Cyan (0%)

Magenta (43%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 71.861, 60.602 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, 71.861, 60.602 by changing the saturation by 10% instead.

71, 71.861, 60.602

71, 71.861, 60.602

100, 71.861,
60.602

61, 71.861, 60.602

91, 71.861, 60.602

51, 71.861, 60.602

41, 71.861, 60.602

31, 71.861, 60.602

21, 71.861, 60.602

11, 71.861, 60.602

1, 71.861, 60.602

0, 71.861, 60.602

71, 71.861, 60.602

71, 71.861, 60.602

68, 80.275, 59.029

74, 61.660, 62.134

65, 86.564, 56.469

78, 51.504, 63.314

65, 87.604, 55.982

81, 41.555, 64.450

85, 32.016, 65.585

89, 22.958, 66.730

93, 14.387, 67.878

97, 6.277, 68.995

100, 0.012,
296.813

Harmonies

Complementary

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



71, 71.861, 60.602



66, 53.255, 269.578

Rectangle

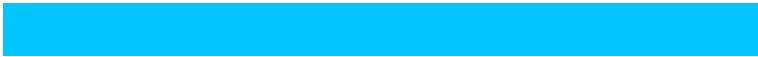
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 71.861, 60.602



71, 71.861, 110.602



71, 71.861, 240.602



71, 71.861, 290.602

Sweetspot

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



71, 71.557, 60.791



91, 18.495, 67.321



59, 80.781, 351.260



47, 12.932, 66.906



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, 71.557, 60.791



66, 84.293, 57.632



95, 85.589, 100.668



51, 4.403, 68.848



49, 70.224, 56.689



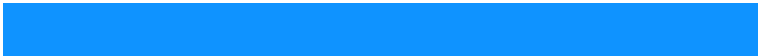
15, 27.134, 57.067

Inverse Universe

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



66, 53.255, 269.578



60, 62.905, 277.026



41, 110.347, 302.364



51, 4.273, 251.260



44, 52.851, 279.026



13, 21.759, 272.114

Previews

White Background



This preview shows how the CIELCh color 71, 71.861, 60.602 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, 71.861, 60.602 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, 71.861, 60.602

Background



This preview shows how black text looks on a background with the CIELCh color 71, 71.861, 60.602.



This preview shows how white text looks on a background with the CIELCh color 71, 71.861, 60.602.

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





Tritanopia
71, 47.145, 18.631

Trichromacy



Original Color
71, 71.454, 60.857

Protanomaly
71, 59.495, 81.111

Deuteranomaly
71, 65.685, 73.696

Tritanomaly
71, 52.608, 39.518

Monochromacy



Original Color
71, 71.454, 60.857

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 25.006, 65.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 71.861, 60.602 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, 146, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 56)  
}
```

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, 146, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 71.861, 60.602 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, 146, 56) }
```

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

```
.border{ border-color:rgb(255, 146, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 71.861, 60.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 56) }
```

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

```
.background{ background-color: rgb(255,  
146, 56) }
```

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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