

Converting Colors

CIELCh(71, 77.605, 63.346)

Have a look what the booklet for
CIELCh(71, 77.605, 63.346) contains.

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Color

CIELCh(71, 77.181, 63.653)

Conversions

Conversions Part 1

Format	Color
Hex	FF9226
RGB	255, 146, 38
RGB Percent	100%, 57%, 15%
CMY	0.0000, 0.4257, 0.8528
CMYK	0.00, 0.43, 0.85, 0.00
HSL	30°, 100%, 57%
HSV	30°, 85%, 100%
XYZ	52.1201, 42.1875, 7.1894
YIQ	166.2790, 99.6320, -10.4800

Conversions

Conversions Part 2

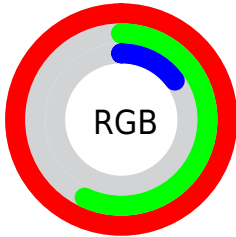
Format	Color
R_{YB}	255, 253, 38
Decimal	16749094
CIE _{Lab}	71.00, 34.25, 69.16
CIE _{LCh}	71, 77.181, 63.653
Yxy	42.1875, 0.5135, 0.4157
Android (android.graphics.Color)	4294939174 (0xFFFF9226)
YUV	166.2790, -63.2415, 77.8083
Hunter-Lab	64.9519, 29.5700, 38.9037

Details

The CIELCh color **71, 77.181, 63.653** 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 **60, 62.949, 278.381**, and the grayscale version is **69, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 59.961, 82.285**, and **51, 69.201, 59.633** is the 20% darker color. If you saturate the color by 10%, you get **68, 83.333, 61.241**, and if you desaturate by 10%, it is **74, 68.443, 65.611**.

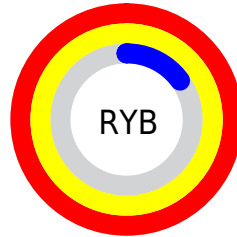
Distribution



Red (100%)

Green (57%)

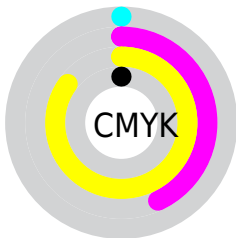
Blue (15%)



Red (100%)

Yellow (99%)

Blue (15%)

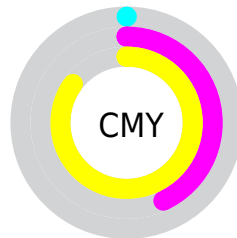


Cyan (0%)

Magenta (43%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 77.181, 63.653 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, 77.181, 63.653 by changing the saturation by 10% instead.

71, 77.181, 63.653

71, 77.181, 63.653

100, 77.181,
63.653

61, 77.181, 63.653

91, 77.181, 63.653

51, 77.181, 63.653

41, 77.181, 63.653

31, 77.181, 63.653

21, 77.181, 63.653

11, 77.181, 63.653

1, 77.181, 63.653

0, 77.181, 63.653

71, 77.181, 63.653

71, 77.181, 63.653

68, 83.333, 61.241

74, 68.443, 65.611

67, 85.567, 59.852

77, 58.834, 67.114

80, 48.972, 68.474

84, 39.262, 69.779

87, 29.884, 71.063

91, 20.908, 72.333

94, 12.341, 73.583

98, 4.165, 74.757

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, 77.181, 63.653



60, 62.949, 278.381

Rectangle

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



71, 77.181, 63.653



71, 77.181, 113.653



71, 77.181, 243.653



71, 77.181, 293.653

Sweetspot

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



71, 77.011, 63.768



90, 21.536, 72.243



57, 82.130, 357.171



47, 14.721, 71.804



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, 77.011, 63.768



67, 85.567, 59.852



97, 92.824, 103.143



51, 4.528, 74.282



51, 68.668, 60.561



16, 27.010, 61.910

Inverse Universe

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



60, 62.949, 278.381



55, 73.787, 285.109



36, 124.110, 304.923



51, 4.428, 256.817



41, 58.406, 284.269



12, 23.768, 277.720

Previews

White Background



This preview shows how the CIELCh color 71, 77.181, 63.653 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, 77.181, 63.653 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, 77.181, 63.653

Background



This preview shows how black text looks on a background with the CIELCh color 71, 77.181, 63.653.



This preview shows how white text looks on a background with the CIELCh color 71, 77.181, 63.653.

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, 76.916, 63.536

Protanopia

71, 64.339, 95.278

Deuteranopia

71, 71.085, 82.511



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 76.916, 63.536

Protanomaly
71, 66.102, 82.256

Deuteranomaly
71, 72.409, 75.042

Tritanomaly
71, 54.112, 42.922

Monochromacy



Original Color
71, 76.916, 63.536

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 27.843, 71.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 77.181, 63.653 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 77.181, 63.653 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, 38) }
```

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

```
.border{ border-color:rgb(255, 146, 38) }
```

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, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 77.181, 63.653 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, 38) }
```

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

```
.background{ background-color: rgb(255,  
146, 38) }
```

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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