

Converting Colors

CIELCh(71, 81.936, 65.792)

Have a look what the booklet for
CIELCh(71, 81.936, 65.792) contains.

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Color

CIELCh(71, 81.860, 65.947)

Conversions

Conversions Part 1

Format	Color
Hex	FF930D
RGB	255, 147, 13
RGB Percent	100%, 58%, 5%
CMY	0.0000, 0.4233, 0.9485
CMYK	0.00, 0.42, 0.95, 0.00
HSL	33°, 100%, 53%
HSV	33°, 95%, 100%
XYZ	51.7813, 42.1875, 5.7990
YIQ	164.0160, 107.3820, -18.7780

Conversions

Conversions Part 2

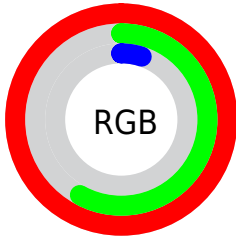
Format	Color
R _Y B	208, 255, 13
Decimal	16749325
CIE Lab	71.00, 33.36, 74.75
CIE LCh	71, 81.860, 65.947
Yxy	42.1875, 0.5190, 0.4229
Android (android.graphics.Color)	4294939405 (0xFFFF930D)
YUV	164.0160, -74.4509, 79.7930
Hunter-Lab	64.9519, 28.6388, 40.1728

Details

The CIELCh color **71, 81.860, 65.947** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **53, 77.422, 287.623**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 65.940, 84.133**, and **51, 68.698, 60.282** is the 20% darker color. If you saturate the color by 10%, you get **70, 83.874, 64.414**, and if you desaturate by 10%, it is **74, 76.166, 68.537**.

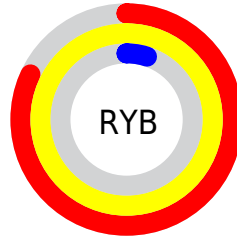
Distribution



Red (100%)

Green (58%)

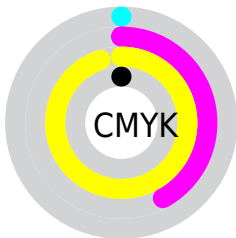
Blue (5%)



Red (82%)

Yellow (100%)

Blue (5%)

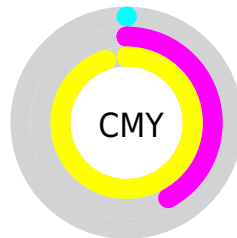


Cyan (0%)

Magenta (42%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (42%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 81.860, 65.947 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, 81.860, 65.947 by changing the saturation by 10% instead.

71, 81.860, 65.947

71, 81.860, 65.947

100, 81.860,
65.947

61, 81.860, 65.947

91, 81.860, 65.947

51, 81.860, 65.947

41, 81.860, 65.947

31, 81.860, 65.947

21, 81.860, 65.947

11, 81.860, 65.947

1, 81.860, 65.947

0, 81.860, 65.947

71, 81.860, 65.947

71, 81.860, 65.947

70, 83.874, 64.414

74, 76.166, 68.537

76, 68.159, 70.497

79, 58.945, 72.136

82, 49.313, 73.623

85, 39.691, 75.039

88, 30.286, 76.416

92, 21.186, 77.762

95, 12.417, 79.073

98, 3.972, 80.295

Harmonies

Complementary

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



71, 81.860, 65.947



53, 77.422, 287.623

Rectangle

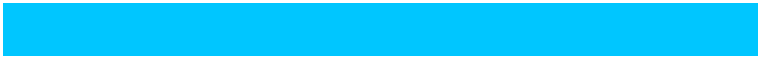
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 81.860, 65.947



71, 81.860, 115.947



71, 81.860, 245.947



71, 81.860, 295.947

Sweetspot

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



71, 81.837, 65.964



91, 24.020, 77.341



55, 83.623, 5.413



47, 16.720, 76.760



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, 81.837, 65.964



70, 83.874, 64.414



96, 96.179, 105.928



51, 4.705, 79.748



53, 67.399, 65.100



17, 27.103, 67.229

Inverse Universe

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



53, 77.422, 287.623



51, 81.911, 289.786



33, 131.265, 306.126



50, 4.638, 262.336



38, 64.783, 289.011



11, 26.140, 282.898

Previews

White Background



This preview shows how the CIELCh color 71, 81.860, 65.947 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, 81.860, 65.947 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, 81.860, 65.947

Background



This preview shows how black text looks on a background with the CIELCh color 71, 81.860, 65.947.



This preview shows how white text looks on a background with the CIELCh color 71, 81.860, 65.947.

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, 81.860, 65.947

Protanopia

71, 70.351, 95.408

Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 81.860, 65.947

Protanomaly
71, 71.743, 83.723

Deuteranomaly
71, 76.537, 76.130

Tritanomaly
71, 56.435, 46.904

Monochromacy



Original Color
71, 81.860, 65.947

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 32.064, 75.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 81.860, 65.947 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 81.860, 65.947 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, 13) }
```

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

```
.border{ border-color:rgb(255, 147, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 81.860, 65.947 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, 13) }
```

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

```
.background{ background-color: rgb(255,  
147, 13) }
```

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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