

Converting Colors

CIELCh(78, 87.998, 50.785)

Have a look what the booklet for
CIELCh(78, 87.998, 50.785) contains.

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Color

CIELCh(71, 68.800, 58.829)

Conversions

Conversions Part 1

Format	Color
Hex	FF9241
RGB	255, 146, 65
RGB Percent	100%, 57%, 25%
CMY	0.0000, 0.4291, 0.7469
CMYK	0.00, 0.43, 0.75, 0.00
HSL	26°, 100%, 63%
HSV	26°, 75%, 100%
XYZ	52.6403, 42.1875, 10.3014
YIQ	169.3570, 90.9650, -2.0830

Conversions

Conversions Part 2

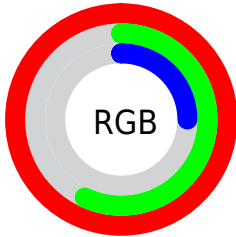
Format	Color
R _Y B	255, 206, 65
Decimal	16749121
CIE Lab	71.00, 35.61, 58.87
CIE LCh	71, 68.800, 58.829
Yxy	42.1875, 0.5007, 0.4013
Android (android.graphics.Color)	4294939201 (0xFFFF9241)
YUV	169.3570, -51.4480, 75.1089
Hunter-Lab	64.9519, 30.9996, 36.0629

Details

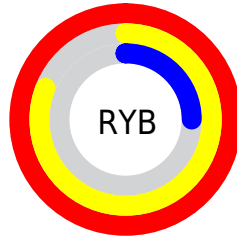
The CIELCh color **71, 68.800, 58.829** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **68, 49.128, 264.723**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 49.827, 78.799**, and **51, 68.290, 59.125** is the 20% darker color. If you saturate the color by 10%, you get **68, 78.143, 57.564**, and if you desaturate by 10%, it is **74, 58.266, 60.083**.

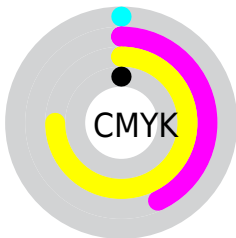
Distribution



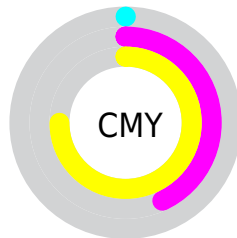
- Red (100%)
- Green (57%)
- Blue (25%)



- Red (100%)
- Yellow (81%)
- Blue (25%)



- Cyan (0%)
- Magenta (43%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 68.800, 58.829 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, 68.800, 58.829 by changing the saturation by 10% instead.

71, 68.800, 58.829

71, 68.800, 58.829

100, 68.800,
58.829

61, 68.800, 58.829

91, 68.800, 58.829

51, 68.800, 58.829

41, 68.800, 58.829

31, 68.800, 58.829

21, 68.800, 58.829

11, 68.800, 58.829

1, 68.800, 58.829

0, 68.800, 58.829

71, 68.800, 58.829

71, 68.800, 58.829

68, 78.143, 57.564

74, 58.266, 60.083

65, 85.730, 55.463

78, 47.993, 61.104

63, 88.830, 54.083

82, 38.081, 62.119

86, 28.667, 63.158

90, 19.784, 64.219

94, 11.419, 65.288

98, 3.534, 66.284

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, 68.800, 58.829



68, 49.128, 264.723

Rectangle

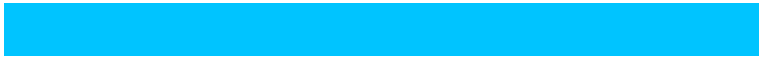
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 68.800, 58.829



71, 68.800, 108.829



71, 68.800, 238.829



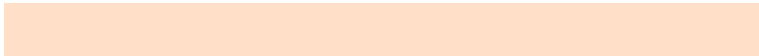
71, 68.800, 288.829

Sweetspot

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



71, 68.561, 58.972



91, 17.488, 64.506



60, 80.219, 348.175



47, 11.848, 64.216



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, 68.561, 58.972



66, 82.521, 56.566



93, 81.194, 98.967



51, 4.353, 65.830



48, 71.171, 54.778



15, 27.277, 54.559

Inverse Universe

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



68, 49.128, 264.723



63, 57.527, 271.794



44, 101.755, 300.481



51, 4.207, 248.142



45, 50.078, 275.843



14, 20.778, 268.771

Previews

White Background



This preview shows how the CIELCh color 71, 68.800, 58.829 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, 68.800, 58.829 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, 68.800, 58.829

Background



This preview shows how black text looks on a background with the CIELCh color 71, 68.800, 58.829.



This preview shows how white text looks on a background with the CIELCh color 71, 68.800, 58.829.

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, 68.369, 59.071

Protanopia

71, 53.271, 95.251

Deuteranopia

71, 60.459, 80.986



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 68.369, 59.071

Protanomaly
71, 55.414, 79.904

Deuteranomaly
71, 62.050, 72.320

Tritanomaly
71, 51.320, 38.083

Monochromacy



Original Color
71, 68.369, 59.071

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 23.341, 62.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 68.800, 58.829 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 68.800, 58.829 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, 65) }
```

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

```
.border{ border-color:rgb(255, 146, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 68.800, 58.829 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, 65) }
```

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

```
.background{ background-color: rgb(255,  
146, 65) }
```

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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