

Converting Colors

CIELCh(71, 58.444, 55.379)

Have a look what the booklet for
CIELCh(71, 58.444, 55.379) contains.

CIELCh(71, 58.402, 55.322)	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, 58.402, 55.322)

Conversions

Conversions Part 1

Format	Color
Hex	FA9457
RGB	250, 148, 87
RGB Percent	98%, 58%, 34%
CMY	0.0196, 0.4196, 0.6588
CMYK	0.00, 0.41, 0.65, 0.02
HSL	22°, 94%, 66%
HSV	22°, 65%, 98%
XYZ	51.7296, 42.1875, 14.4317
YIQ	171.5440, 80.3730, 2.6530

Conversions

Conversions Part 2

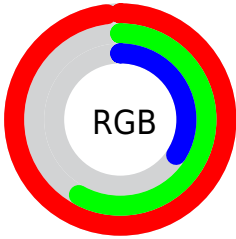
Format	Color
R_{YB}	250, 184, 87
Decimal	16421975
CIE Lab	71.00, 33.23, 48.03
CIE LCh	71, 58.402, 55.322
Yxy	42.1875, 0.4774, 0.3894
Android (android.graphics.Color)	4294612055 (0xFFFA9457)
YUV	171.5440, -41.6802, 68.8059
Hunter-Lab	64.9519, 28.4967, 32.2926

Details

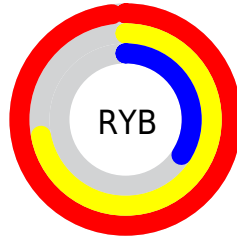
The CIELCh color **71, 58.402, 55.322** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **73, 40.503, 253.788**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 40.267, 74.757**, and **51, 58.097, 55.292** is the 20% darker color. If you saturate the color by 10%, you get **67, 68.967, 54.576**, and if you desaturate by 10%, it is **75, 47.961, 56.025**.

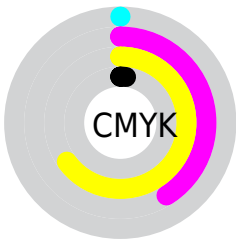
Distribution



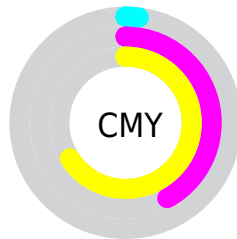
- Red (98%)
- Green (58%)
- Blue (34%)



- Red (98%)
- Yellow (72%)
- Blue (34%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (2%)



- Cyan (2%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 58.402, 55.322 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, 58.402, 55.322 by changing the saturation by 10% instead.

71, 58.402, 55.322

71, 58.402, 55.322

100, 58.402,
55.322

61, 58.402, 55.322

91, 58.402, 55.322

51, 58.402, 55.322

41, 58.402, 55.322

31, 58.402, 55.322

21, 58.402, 55.322

11, 58.402, 55.322

1, 58.402, 55.322

0, 58.402, 55.322

71, 58.402, 55.322

71, 58.402, 55.322

67, 68.967, 54.576

75, 47.961, 56.025

64, 78.929, 53.555

79, 37.973, 56.760

61, 86.934, 51.819

83, 28.560, 57.554

60, 89.999, 50.785

87, 19.746, 58.403

91, 11.510, 59.287

96, 3.807, 60.125

100, 1.739,
199.676

Harmonies

Complementary

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



71, 58.402, 55.322



73, 40.503, 253.788

Rectangle

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



71, 58.402, 55.322



71, 58.402, 105.322



71, 58.402, 235.322



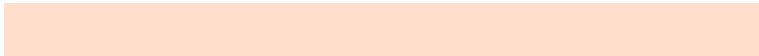
71, 58.402, 285.322

Sweetspot

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



71, 58.400, 55.326



91, 15.644, 58.858



62, 74.508, 343.451



47, 10.777, 58.610



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, 58.400, 55.326



68, 73.036, 54.325



90, 69.504, 96.850



50, 4.221, 59.787



46, 72.420, 51.438



13, 26.481, 49.516

Inverse Universe

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



73, 40.503, 253.788



70, 47.182, 258.911



52, 81.328, 296.031



50, 4.048, 241.832



48, 44.685, 268.720



14, 18.504, 261.087

Previews

White Background



This preview shows how the CIELCh color 71, 58.402, 55.322 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, 58.402, 55.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

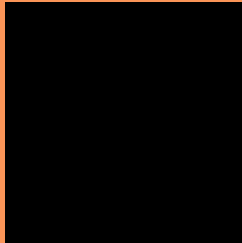
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 58.402, 55.322

Background



This preview shows how black text looks on a background with the CIELCh color 71, 58.402, 55.322.



This preview shows how white text looks on a background with the CIELCh color 71, 58.402, 55.322.

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, 58.402, 55.322

Protanopia

71, 42.266, 95.296

Deuteranopia

71, 49.876, 79.566



Tritanopia
71, 46.171, 17.083

Trichromacy



Original Color
71, 58.402, 55.322

Protanomaly
71, 44.689, 77.770

Deuteranomaly
71, 51.946, 69.364

Tritanomaly
71, 47.867, 33.327

Monochromacy



Original Color
71, 58.402, 55.322

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 19.549, 57.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 58.402, 55.322 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(250, 148, 87)` looks like.

```
.text, #text, p{  
    color:rgb(250, 148, 87)  
}
```

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(250, 148, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 148, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 58.402, 55.322 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(250, 148, 87) }
```

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

```
.border{ border-color:rgb(250, 148, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 148, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 148, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 148, 87);  
box-shadow:4px 4px 4px 4px rgb(250, 148,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 58.402, 55.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 148, 87) }
```

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

```
.background{ background-color: rgb(250,  
148, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor