

Converting Colors

CIELCh(71, 55.937, 45.604)

Have a look what the booklet for
CIELCh(71, 55.937, 45.604) contains.

CIELCh(71, 55.470, 45.670)	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, 55.470, 45.670)

Conversions

Conversions Part 1

Format	Color
Hex	FF9068
RGB	255, 144, 104
RGB Percent	100%, 56%, 41%
CMY	0.0000, 0.4370, 0.5940
CMYK	0.00, 0.44, 0.59, 0.00
HSL	16°, 100%, 70%
HSV	16°, 59%, 100%
XYZ	53.8617, 42.1875, 18.2744
YIQ	172.6290, 78.9960, 11.0920

Conversions

Conversions Part 2

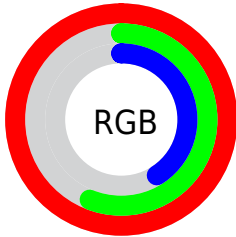
Format	Color
R_{YB}	255, 158, 104
Decimal	16748648
CIE _{Lab}	71.00, 38.76, 39.68
CIE _{LCh}	71, 55.470, 45.670
Yxy	42.1875, 0.4711, 0.3690
Android (android.graphics.Color)	4294938728 (0xFFFF9068)
YUV	172.6290, -33.8341, 72.2394
Hunter-Lab	64.9519, 34.3561, 28.7850

Details

The CIELCh color **71, 55.470, 45.670** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 35.627, 234.820**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 32.543, 63.674**, and **51, 54.949, 45.766** is the 20% darker color. If you saturate the color by 10%, you get **67, 66.706, 46.011**, and if you desaturate by 10%, it is **75, 44.194, 45.661**.

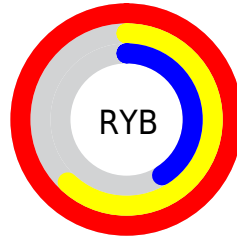
Distribution



Red (100%)

Green (56%)

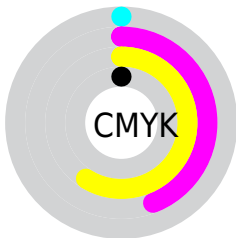
Blue (41%)



Red (100%)

Yellow (62%)

Blue (41%)

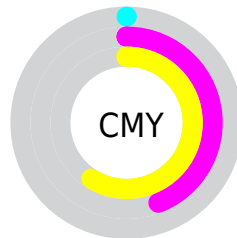


Cyan (0%)

Magenta (44%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 55.470, 45.670 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, 55.470, 45.670 by changing the saturation by 10% instead.

71, 55.470, 45.670

71, 55.470, 45.670

100, 55.470,
45.670

61, 55.470, 45.670

91, 55.470, 45.670

51, 55.470, 45.670

41, 55.470, 45.670

31, 55.470, 45.670

21, 55.470, 45.670

11, 55.470, 45.670

1, 55.470, 45.670

0, 55.470, 45.670

71, 55.470, 45.670

71, 55.470, 45.670

67, 66.706, 46.011

75, 44.194, 45.661

63, 78.231, 46.267

80, 33.858, 45.716

60, 88.730, 46.188

85, 24.252, 45.916

58, 96.585, 45.282

90, 15.365, 46.233

57, 97.014, 45.241

95, 7.154, 46.613

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, 55.470, 45.670



81, 35.627, 234.820

Rectangle

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



71, 55.470, 45.670



71, 55.470, 95.670



71, 55.470, 225.670



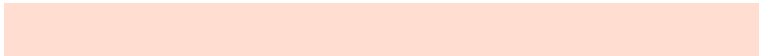
71, 55.470, 275.670

Sweetspot

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



71, 55.206, 45.768



91, 14.175, 46.284



67, 75.938, 336.807



47, 9.966, 46.179



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, 55.206, 45.768



66, 68.564, 46.056



88, 59.680, 89.620



50, 4.328, 46.610



43, 77.646, 45.756



12, 29.044, 41.240

Inverse Universe

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



81, 35.627, 234.820



78, 39.897, 238.098



61, 63.920, 288.556



51, 4.096, 227.824



55, 37.513, 249.311



17, 16.666, 242.709

Previews

White Background



This preview shows how the CIELCh color 71, 55.470, 45.670 looks on a white background.

Color Contrast Check

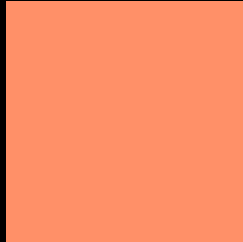
Large Text (above 18pt) WCAG AA × Fail

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, 55.470, 45.670 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, 55.470, 45.670

Background



This preview shows how black text looks on a background with the CIELCh color 71, 55.470, 45.670.

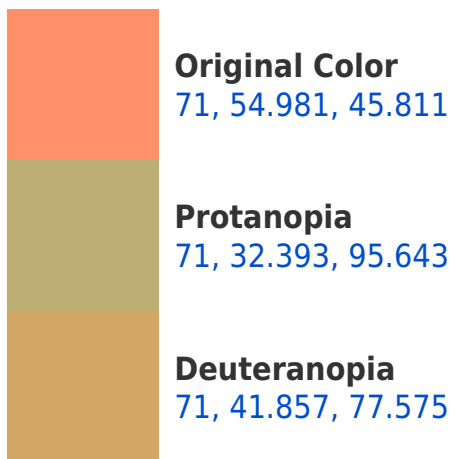


This preview shows how white text looks on a background with the CIELCh color 71, 55.470, 45.670.

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, 46.691, 18.501

Trichromacy



Original Color
71, 54.981, 45.811

Protanomaly
71, 36.151, 70.399

Deuteranomaly
71, 44.749, 63.349

Tritanomaly
71, 48.487, 29.724

Monochromacy



Original Color
71, 54.981, 45.811

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 18.340, 46.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 55.470, 45.670 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, 144, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 104)  
}
```

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, 144, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 55.470, 45.670 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, 144, 104) }
```

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

```
.border{ border-color:rgb(255, 144, 104) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 55.470, 45.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 104) }
```

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

```
.background{ background-color: rgb(255,  
144, 104) }
```

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