

Converting Colors

CIELCh(71, 55.069, 45.750)

Have a look what the booklet for
CIELCh(71, 55.069, 45.750) contains.

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Color

CIELCh(71, 54.981, 45.811)

Conversions

Conversions Part 1

Format	Color
Hex	FF9068
RGB	255, 144, 104
RGB Percent	100%, 56%, 41%
CMY	0.0002, 0.4354, 0.5923
CMYK	0.00, 0.44, 0.59, 0.00
HSL	16°, 100%, 70%
HSV	16°, 59%, 100%
XYZ	53.6906, 42.1875, 18.4016
YIQ	172.6290, 78.9960, 11.0920

Conversions

Conversions Part 2

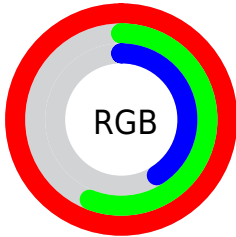
Format	Color
RYB	255, 158, 104
Decimal	16748648
CIELab	71.00, 38.32, 39.42
CIElCh	71, 54.981, 45.811
Yxy	42.1875, 0.4698, 0.3692
Android (android.graphics.Color)	4294938728 (0xFFFF9068)
YUV	172.6290, -33.8341, 72.2394
Hunter-Lab	64.9519, 33.8859, 28.6688

Details

The CIELCh color **71, 54.981, 45.811** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 35.553, 234.869**, 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, 66.468, 46.050**, and if you desaturate by 10%, it is **75, 43.984, 45.716**.

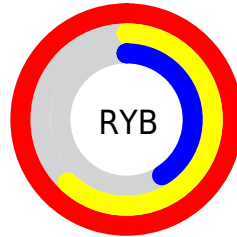
Distribution



Red (100%)

Green (56%)

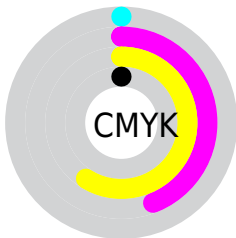
Blue (41%)



Red (100%)

Yellow (62%)

Blue (41%)

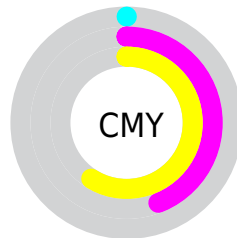


Cyan (0%)

Magenta (44%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 54.981, 45.811 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, 54.981, 45.811 by changing the saturation by 10% instead.

71, 54.981, 45.811

71, 54.981, 45.811

100, 54.981,
45.811

61, 54.981, 45.811

91, 54.981, 45.811

51, 54.981, 45.811

41, 54.981, 45.811

31, 54.981, 45.811

21, 54.981, 45.811

11, 54.981, 45.811

1, 54.981, 45.811

0, 54.981, 45.811

71, 54.981, 45.811

71, 54.981, 45.811

67, 66.468, 46.050

75, 43.984, 45.716

63, 77.995, 46.301

80, 33.665, 45.777

60, 88.521, 46.227

85, 24.076, 45.983

58, 96.415, 45.320

90, 15.206, 46.305

57, 96.974, 45.264

95, 7.009, 46.689

100, 0.017,
242.004

Harmonies

Complementary

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



71, 54.981, 45.811



81, 35.553, 234.869

Rectangle

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



71, 54.981, 45.811



71, 54.981, 95.811



71, 54.981, 225.811



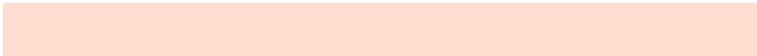
71, 54.981, 275.811

Sweetspot

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



71, 54.979, 45.815



91, 14.172, 46.350



67, 75.746, 336.790



47, 9.964, 46.244



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, 54.979, 45.815



66, 68.545, 46.100



88, 59.502, 89.645



50, 4.327, 46.678



43, 77.623, 45.780



12, 29.036, 41.280

Inverse Universe

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



81, 35.553, 234.869



78, 39.908, 238.199



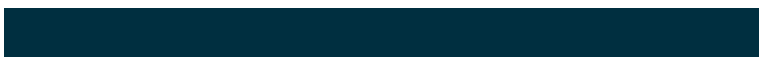
61, 63.699, 288.505



51, 4.095, 227.898



55, 37.541, 249.428



17, 16.674, 242.818

Previews

White Background



This preview shows how the CIELCh color 71, 54.981, 45.811 looks on a white background.

Color Contrast Check

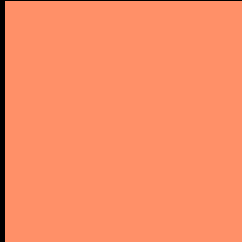
Large Text (above 18pt) WCAG AA × Fail

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, 54.981, 45.811 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, 54.981, 45.811

Background



This preview shows how black text looks on a background with the CIELCh color 71, 54.981, 45.811.

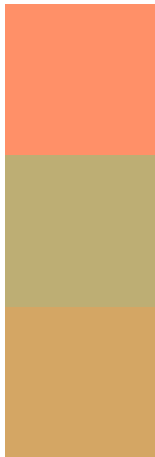


This preview shows how white text looks on a background with the CIELCh color 71, 54.981, 45.811.

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, 54.981, 45.811

Protanopia

71, 31.878, 95.527

Deuteranopia

71, 41.392, 77.311



Tritanopia
71, 46.691, 18.501

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 54.981, 45.811 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, 54.981, 45.811 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, 54.981, 45.811 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](#).

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