

Converting Colors

CIELCh(83, 88.389, 40.001)

Have a look what the booklet for
CIELCh(83, 88.389, 40.001) contains.

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Color

CIELCh(71, 55.137, 46.799)

Conversions

Conversions Part 1

Format	Color
Hex	FE9066
RGB	254, 144, 102
RGB Percent	100%, 56%, 40%
CMY	0.0025, 0.4335, 0.5981
CMYK	0.00, 0.43, 0.60, 0.00
HSL	17°, 99%, 70%
HSV	17°, 60%, 100%
XYZ	53.4654, 42.1875, 18.0205
YIQ	172.1020, 79.0420, 10.2580

Conversions

Conversions Part 2

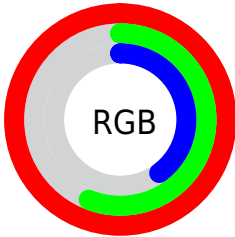
Format	Color
R _Y B	254, 160, 102
Decimal	16683110
CIE Lab	71.00, 37.74, 40.19
CIE LCh	71, 55.137, 46.799
Yxy	42.1875, 0.4703, 0.3711
Android (android.graphics.Color)	4294873190 (0xFFFE9066)
YUV	172.1020, -34.5603, 71.8245
Hunter-Lab	64.9519, 33.2670, 29.0167

Details

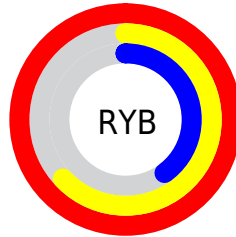
The CIELCh color **71, 55.137, 46.799** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **80, 35.812, 236.827**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 33.346, 64.773**, and **51, 55.205, 46.728** is the 20% darker color. If you saturate the color by 10%, you get **67, 66.543, 46.934**, and if you desaturate by 10%, it is **75, 44.201, 46.790**.

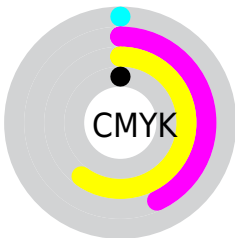
Distribution



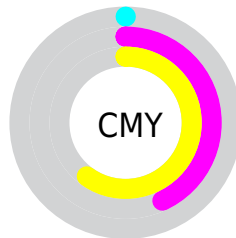
- Red (100%)
- Green (56%)
- Blue (40%)



- Red (100%)
- Yellow (63%)
- Blue (40%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 55.137, 46.799 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, 55.137, 46.799 by changing the saturation by 10% instead.

71, 55.137, 46.799

71, 55.137, 46.799

100, 55.137,
46.799

61, 55.137, 46.799

91, 55.137, 46.799

51, 55.137, 46.799

41, 55.137, 46.799

31, 55.137, 46.799

21, 55.137, 46.799

11, 55.137, 46.799

1, 55.137, 46.799

0, 55.137, 46.799

71, 55.137, 46.799

71, 55.137, 46.799

67, 66.543, 46.934

75, 44.201, 46.790

63, 77.951, 47.054

80, 33.929, 46.925

60, 88.293, 46.813

85, 24.377, 47.197

58, 96.031, 45.759

90, 15.534, 47.578

58, 96.240, 45.736

95, 7.356, 48.019

100, 0.196,
219.652

100, 0.224,
202.348

Harmonies

Complementary

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



71, 55.137, 46.799



80, 35.812, 236.827

Rectangle

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



71, 55.137, 46.799



71, 55.137, 96.799



71, 55.137, 226.799



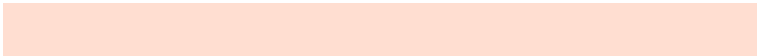
71, 55.137, 276.799

Sweetspot

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



71, 55.135, 46.803



91, 14.120, 47.651



66, 75.269, 337.609



47, 9.926, 47.528



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, 55.135, 46.803



66, 69.327, 46.970



88, 60.561, 90.800



50, 4.313, 48.028



44, 77.174, 46.266



13, 28.876, 42.082

Inverse Universe

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



80, 35.812, 236.827



77, 40.481, 240.499



60, 65.635, 289.600



51, 4.086, 229.347



54, 38.116, 251.706



17, 16.839, 244.936

Previews

White Background



This preview shows how the CIELCh color 71, 55.137, 46.799 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, 55.137, 46.799 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, 55.137, 46.799

Background



This preview shows how black text looks on a background with the CIELCh color 71, 55.137, 46.799.



This preview shows how white text looks on a background with the CIELCh color 71, 55.137, 46.799.

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, 55.222, 46.801

Protanopia

71, 32.908, 95.753

Deuteranopia

71, 42.558, 77.325



Tritanopia
71, 46.691, 18.501

Trichromacy



Original Color
71, 55.222, 46.801

Protanomaly
71, 36.600, 70.809

Deuteranomaly
71, 45.163, 63.725

Tritanomaly
71, 48.188, 30.305

Monochromacy



Original Color
71, 55.222, 46.801

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 18.605, 48.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 55.137, 46.799 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(254, 144, 102)` looks like.

```
.text, #text, p{  
    color:rgb(254, 144, 102)  
}
```

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(254, 144, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 144, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 55.137, 46.799 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(254, 144, 102) }
```

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

```
.border{ border-color:rgb(254, 144, 102) }
```

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

Here you see how a box with a 4 pixel rgb(254, 144, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 144, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 144, 102);  
box-shadow:4px 4px 4px 4px rgb(254, 144,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 55.137, 46.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 144, 102) }
```

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

```
.background{ background-color: rgb(254,  
144, 102) }
```

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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