

Converting Colors

CIELCh(80, 84.230, 40.000)

Have a look what the booklet for
CIELCh(80, 84.230, 40.000) contains.

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Color

CIELCh(70, 56.451, 45.398)

Conversions

Conversions Part 1

Format	Color
Hex	FE8C64
RGB	254, 140, 100
RGB Percent	100%, 55%, 39%
CMY	0.0043, 0.4507, 0.6074
CMYK	0.00, 0.45, 0.61, 0.00
HSL	16°, 99%, 69%
HSV	16°, 61%, 100%
XYZ	52.5319, 40.7494, 17.1846
YIQ	169.5260, 80.7840, 11.7280

Conversions

Conversions Part 2

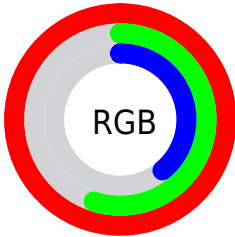
Format	Color
R_{YB}	254, 154, 100
Decimal	16682084
CIE _{Lab}	70.00, 39.64, 40.19
CIE _{LCh}	70, 56.451, 45.398
Y _{xy}	40.7494, 0.4755, 0.3689
Android (android.graphics.Color)	4294872164 (0xFFFE8C64)
Y _{UV}	169.5260, -34.2763, 74.0837
Hunter-Lab	63.8353, 35.1810, 28.7237

Details

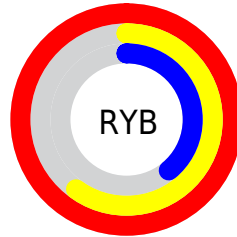
The CIELCh color **70, 56.451, 45.398** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 35.937, 234.358**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 33.945, 61.721**, and **50, 56.233, 45.549** is the 20% darker color. If you saturate the color by 10%, you get **66, 67.972, 45.700**, and if you desaturate by 10%, it is **74, 45.379, 45.238**.

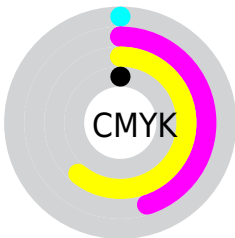
Distribution



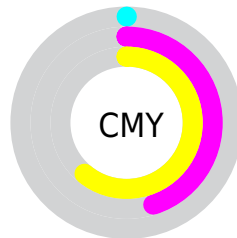
- Red (100%)
- Green (55%)
- Blue (39%)



- Red (100%)
- Yellow (60%)
- Blue (39%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 56.451, 45.398 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 70, 56.451, 45.398 by changing the saturation by 10% instead.

70, 56.451, 45.398

70, 56.451, 45.398

100, 56.451,
45.398

60, 56.451, 45.398

90, 56.451, 45.398

50, 56.451, 45.398

40, 56.451, 45.398

30, 56.451, 45.398

20, 56.451, 45.398

10, 56.451, 45.398

0, 56.451, 45.398

70, 56.451, 45.398

70, 56.451, 45.398

66, 67.972, 45.700

74, 45.379, 45.238

62, 79.439, 45.993

79, 34.971, 45.240

59, 89.704, 45.895

84, 25.291, 45.395

57, 96.912, 45.065

89, 16.335, 45.674

94, 8.061, 46.028

99, 0.412, 45.055

100, 0.380,
201.125

Harmonies

Complementary

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



70, 56.451, 45.398



81, 35.937, 234.358

Rectangle

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



70, 56.451, 45.398



70, 56.451, 95.398



70, 56.451, 225.398



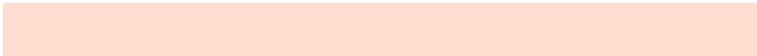
70, 56.451, 275.398

Sweetspot

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



70, 56.449, 45.402



91, 14.198, 45.760



66, 76.828, 336.912



47, 9.983, 45.662



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 56.449, 45.402



65, 71.048, 45.782



87, 60.561, 89.460



50, 4.334, 46.066



43, 77.826, 45.567



12, 29.110, 40.922

Inverse Universe

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



81, 35.937, 234.358



78, 40.438, 237.943



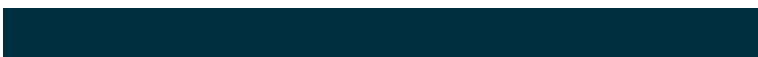
60, 65.063, 288.885



51, 4.100, 227.240



55, 37.298, 248.373



18, 16.606, 241.843

Previews

White Background



This preview shows how the CIELCh color 70, 56.451, 45.398 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 70, 56.451, 45.398 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 70, 56.451, 45.398

Background



This preview shows how black text looks on a background with the CIELCh color 70, 56.451, 45.398.



This preview shows how white text looks on a background with the CIELCh color 70, 56.451, 45.398.

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

70, 56.539, 45.403

Protanopia

70, 32.487, 95.571

Deuteranopia

70, 42.652, 78.519



Tritanopia
70, 48.893, 18.526

Trichromacy



Original Color
70, 56.539, 45.403

Protanomaly
70, 36.583, 69.791

Deuteranomaly
70, 45.354, 63.645

Tritanomaly
70, 50.242, 29.231

Monochromacy



Original Color
70, 56.539, 45.403

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 18.906, 44.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 56.451, 45.398 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, 140, 100)` looks like.

```
.text, #text, p{  
    color:rgb(254, 140, 100)  
}
```

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, 140, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 140, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 56.451, 45.398 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, 140, 100) }
```

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

```
.border{ border-color:rgb(254, 140, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 140, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 140, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 140, 100);  
box-shadow:4px 4px 4px 4px rgb(254, 140,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 56.451, 45.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 140, 100) }
```

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

```
.background{ background-color: rgb(254,  
140, 100) }
```

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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