

Converting Colors

CIELCh(70, 56.693, 43.359)

Have a look what the booklet for
CIELCh(70, 56.693, 43.359) contains.

CIELCh(70, 56.196, 43.468)	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(70, 56.196, 43.468)

Conversions

Conversions Part 1

Format	Color
Hex	FF8B67
RGB	255, 139, 103
RGB Percent	100%, 55%, 40%
CMY	0.0000, 0.4545, 0.5958
CMYK	0.00, 0.45, 0.60, 0.00
HSL	14°, 100%, 70%
HSV	14°, 60%, 100%
XYZ	52.9733, 40.7494, 17.9263
YIQ	169.5800, 80.6920, 13.3960

Conversions

Conversions Part 2

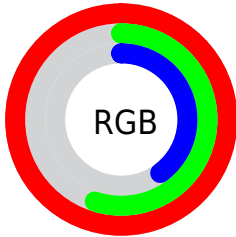
Format	Color
R_{YB}	255, 150, 103
Decimal	16747367
CIE _{Lab}	70.00, 40.78, 38.66
CIE _{LCh}	70, 56.196, 43.468
Yxy	40.7494, 0.4745, 0.3650
Android (android.graphics.Color)	4294937447 (0xFFFF8B67)
YUV	169.5800, -32.8239, 74.9133
Hunter-Lab	63.8353, 36.4153, 28.0348

Details

The CIELCh color **70, 56.196, 43.468** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **82, 35.547, 230.450**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 32.784, 58.905**, and **50, 56.080, 43.162** is the 20% darker color. If you saturate the color by 10%, you get **66, 67.827, 43.996**, and if you desaturate by 10%, it is **74, 44.968, 43.144**.

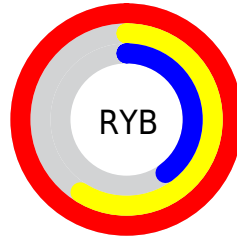
Distribution



Red (100%)

Green (55%)

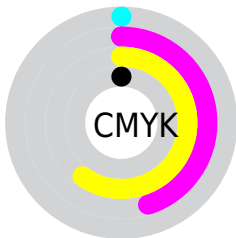
Blue (40%)



Red (100%)

Yellow (59%)

Blue (40%)

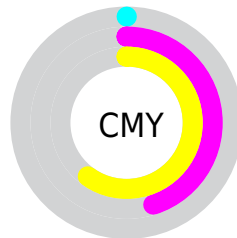


Cyan (0%)

Magenta (45%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 56.196, 43.468 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, 56.196, 43.468 by changing the saturation by 10% instead.

 70, 56.196, 43.468

 70, 56.196, 43.468

 100, 56.196,
43.468

 60, 56.196, 43.468

 90, 56.196, 43.468

 50, 56.196, 43.468

 40, 56.196, 43.468

 30, 56.196, 43.468

 20, 56.196, 43.468

 10, 56.196, 43.468

 0, 56.196, 43.468

 70, 56.196, 43.468

 70, 56.196, 43.468

 66, 67.827, 43.996

 74, 44.968, 43.144

■ 62, 79.511, 44.558

■ 79, 34.464, 42.996

■ 59, 90.123, 44.808

■ 84, 24.705, 43.019

■ 57, 97.989, 44.231

■ 90, 15.687, 43.178

■ 57, 98.292, 44.217

■ 95, 7.366, 43.418

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.



70, 56.196, 43.468



82, 35.547, 230.450

Rectangle

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



70, 56.196, 43.468



70, 56.196, 93.468



70, 56.196, 223.468



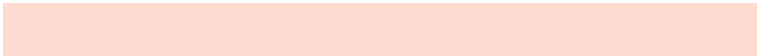
70, 56.196, 273.468

Sweetspot

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



70, 56.154, 43.483



90, 14.330, 43.213



67, 76.949, 336.069



47, 10.078, 43.151



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, 56.154, 43.483



65, 69.507, 44.078



87, 59.158, 88.342



50, 4.372, 43.420



43, 78.686, 44.689



12, 29.436, 39.419

Inverse Universe

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



82, 35.547, 230.450



80, 39.509, 233.349



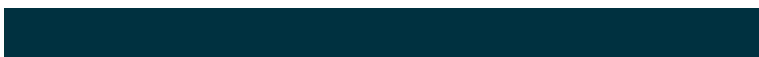
62, 62.655, 287.606



52, 4.128, 224.391



56, 36.379, 243.657



18, 16.362, 237.535

Previews

White Background



This preview shows how the CIELCh color 70, 56.196, 43.468 looks on a white background.

Color Contrast Check

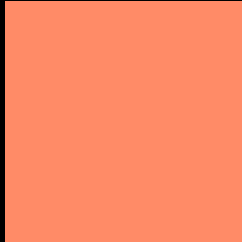
Large Text (above 18pt) WCAG AA × Fail

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, 56.196, 43.468 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, 56.196, 43.468

Background



This preview shows how black text looks on a background with the CIELCh color 70, 56.196, 43.468.

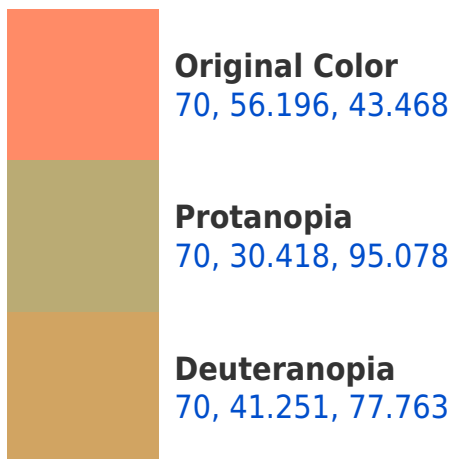


This preview shows how white text looks on a background with the CIELCh color 70, 56.196, 43.468.

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
70, 48.893, 18.526

Trichromacy



Original Color
70, 56.196, 43.468

Protanomaly
69, 35.161, 67.477

Deuteranomaly
70, 44.452, 62.130

Tritanomaly
70, 50.376, 28.113

Monochromacy



Original Color
70, 56.196, 43.468

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 18.646, 42.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 56.196, 43.468 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, 139, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 103)  
}
```

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, 139, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 56.196, 43.468 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, 139, 103) }
```

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

```
.border{ border-color:rgb(255, 139, 103) }
```

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

Here you see how a box with a 4 pixel rgb(255, 139, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 56.196, 43.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 103) }
```

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

```
.background{ background-color: rgb(255,  
139, 103) }
```

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