

Converting Colors

CIELCh(70, 55.608, 45.697)

Have a look what the booklet for
CIELCh(70, 55.608, 45.697) contains.

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Color

CIELCh(70, 55.642, 45.679)

Conversions

Conversions Part 1

Format	Color
Hex	FD8D65
RGB	253, 141, 101
RGB Percent	99%, 55%, 40%
CMY	0.0089, 0.4479, 0.6048
CMYK	0.00, 0.44, 0.60, 0.01
HSL	16°, 97%, 69%
HSV	16°, 60%, 99%
XYZ	52.2394, 40.7494, 17.3688
YIQ	169.9280, 79.5920, 11.3040

Conversions

Conversions Part 2

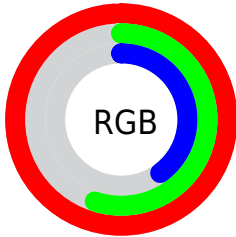
Format	Color
R _Y B	253, 155, 101
Decimal	16616805
CIE Lab	70.00, 38.88, 39.81
CIE LCh	70, 55.642, 45.679
Yxy	40.7494, 0.4734, 0.3692
Android (android.graphics.Color)	4294806885 (0xFFFD8D65)
YUV	169.9280, -33.9815, 72.8541
Hunter-Lab	63.8353, 34.3633, 28.5526

Details

The CIELCh color **70, 55.642, 45.679** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **80, 35.657, 234.804**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 33.589, 62.195**, and **50, 55.699, 45.666** is the 20% darker color. If you saturate the color by 10%, you get **66, 67.086, 45.943**, and if you desaturate by 10%, it is **74, 44.659, 45.555**.

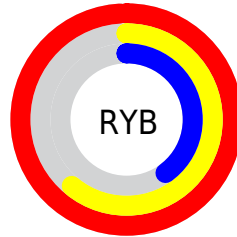
Distribution



Red (99%)

Green (55%)

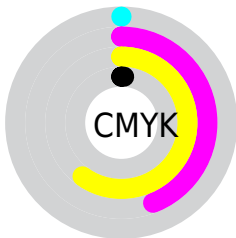
Blue (40%)



Red (99%)

Yellow (61%)

Blue (40%)

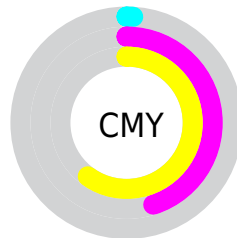


Cyan (0%)

Magenta (44%)

Yellow (60%)

Black (1%)



Cyan (1%)

Magenta (45%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 55.642, 45.679 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, 55.642, 45.679 by changing the saturation by 10% instead.

 70, 55.642, 45.679

 70, 55.642, 45.679

 100, 55.642,
45.679

 60, 55.642, 45.679

 90, 55.642, 45.679

 50, 55.642, 45.679

 40, 55.642, 45.679

 30, 55.642, 45.679

 20, 55.642, 45.679

 10, 55.642, 45.679

 0, 55.642, 45.679

 70, 55.642, 45.679

 70, 55.642, 45.679

 66, 67.086, 45.943

 74, 44.659, 45.555

62, 78.508, 46.203

79, 34.342, 45.590

59, 88.808, 46.095

84, 24.748, 45.774

57, 96.398, 45.208

89, 15.872, 46.076

94, 7.670, 46.450

99, 0.085, 39.673

100, 0.789,
200.195

Harmonies

Complementary

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



70, 55.642, 45.679



80, 35.657, 234.804

Rectangle

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



70, 55.642, 45.679



70, 55.642, 95.679



70, 55.642, 225.679



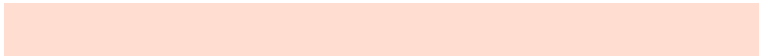
70, 55.642, 275.679

Sweetspot

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



70, 55.640, 45.683



91, 14.180, 46.152



66, 76.108, 336.870



47, 9.970, 46.049



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, 55.640, 45.683



66, 69.766, 46.000



87, 59.922, 89.524



50, 4.329, 46.473



43, 77.691, 45.708



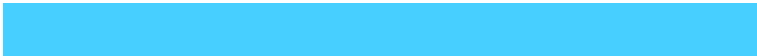
12, 29.061, 41.159

Inverse Universe

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



80, 35.657, 234.804



78, 40.195, 238.220



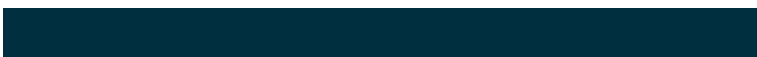
60, 64.296, 288.753



51, 4.097, 227.677



55, 37.458, 249.075



17, 16.650, 242.491

Previews

White Background



This preview shows how the CIELCh color 70, 55.642, 45.679 looks on a white background.

Color Contrast Check

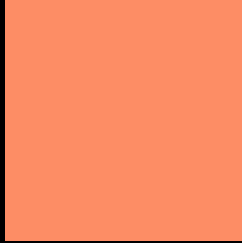
Large Text (above 18pt) WCAG AA × Fail

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, 55.642, 45.679 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, 55.642, 45.679

Background



This preview shows how black text looks on a background with the CIELCh color 70, 55.642, 45.679.

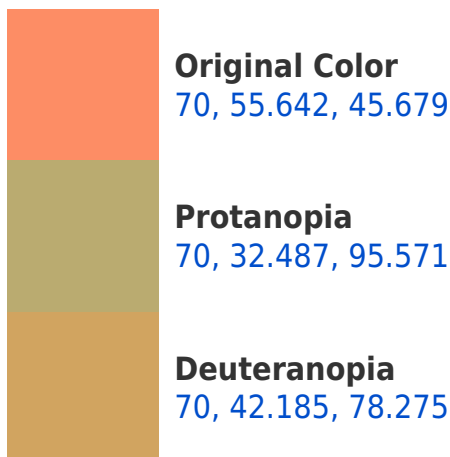


This preview shows how white text looks on a background with the CIELCh color 70, 55.642, 45.679.

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, 55.642, 45.679

Protanomaly
69, 36.297, 70.315

Deuteranomaly
70, 44.962, 64.047

Tritanomaly
70, 49.826, 29.232

Monochromacy



Original Color
70, 55.642, 45.679

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 18.522, 44.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 55.642, 45.679 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(253, 141, 101)` looks like.

```
.text, #text, p{  
    color:rgb(253, 141, 101)  
}
```

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(253, 141, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 141, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 55.642, 45.679 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(253, 141, 101) }
```

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

```
.border{ border-color:rgb(253, 141, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 141, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 141, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 141, 101);  
box-shadow:4px 4px 4px 4px rgb(253, 141,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 55.642, 45.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 141, 101) }
```

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

```
.background{ background-color: rgb(253,  
141, 101) }
```

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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