

# Converting Colors

CIELCh(74, 69.145, 42.926)

Have a look what the booklet for  
CIELCh(74, 69.145, 42.926) contains.

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# **Color**

**CIELCh(70, 57.581, 46.076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C62
RGB	255, 140, 98
RGB Percent	100%, 55%, 38%
CMY	0.0013, 0.4520, 0.6167
CMYK	0.00, 0.45, 0.62, 0.00
HSL	16°, 100%, 69%
HSV	16°, 62%, 100%
XYZ	52.6493, 40.7494, 16.5812
YIQ	169.5970, 82.0220, 11.3180

# Conversions

## Conversions Part 2

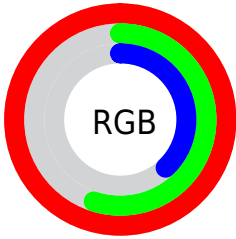
Format	Color
R <sub>Y</sub> B	255, 155, 98
Decimal	16747618
CIE Lab	70.00, 39.94, 41.47
CIE LCh	70, 57.581, 46.076
Yxy	40.7494, 0.4787, 0.3705
Android (android.graphics.Color)	4294937698 (0xFFFF8C62)
YUV	169.5970, -35.2973, 74.8984
Hunter-Lab	63.8353, 35.5094, 29.2842

# Details

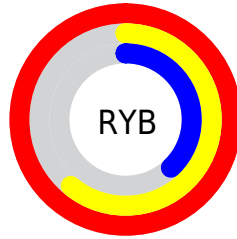
The CIELCh color **70, 57.581, 46.076** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **80, 36.522, 235.903**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 34.731, 62.813**, and **50, 57.327, 46.209** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.106, 46.310**, and if you desaturate by 10%, it is **74, 46.468, 45.966**.

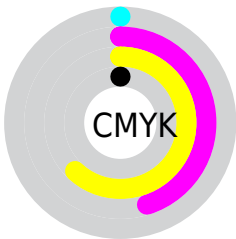
# Distribution



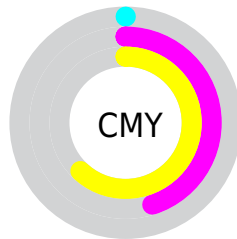
- Red (100%)
- Green (55%)
- Blue (38%)



- Red (100%)
- Yellow (61%)
- Blue (38%)



- Cyan (0%)
- Magenta (45%)
- Yellow (62%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 57.581, 46.076 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, 57.581, 46.076 by changing the saturation by 10% instead.



70, 57.581, 46.076

70, 57.581, 46.076

100, 57.581,  
46.076

60, 57.581, 46.076

90, 57.581, 46.076

50, 57.581, 46.076

40, 57.581, 46.076

30, 57.581, 46.076

20, 57.581, 46.076

10, 57.581, 46.076

0, 57.581, 46.076

70, 57.581, 46.076

70, 57.581, 46.076

66, 69.106, 46.310

74, 46.468, 45.966

62, 80.491, 46.496

79, 36.003, 46.008

59, 90.499, 46.223

84, 26.260, 46.199

57, 96.763, 45.371

89, 17.240, 46.512

94, 8.902, 46.903

99, 1.191, 46.949

100, 0.113,  
205.254

# Harmonies

# Complementary

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



70, 57.581, 46.076



80, 36.522, 235.903

# Rectangle

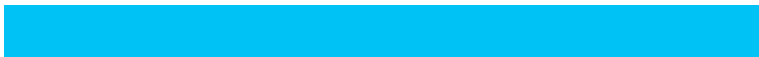
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 57.581, 46.076



70, 57.581, 96.076



70, 57.581, 226.076



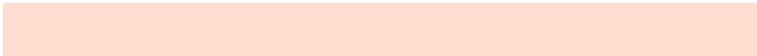
70, 57.581, 276.076

# Sweetspot

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



70, 57.579, 46.080



91, 14.159, 46.647



65, 77.193, 337.795



47, 9.955, 46.537



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, 57.579, 46.080



65, 71.935, 46.368



88, 62.405, 90.541



50, 4.323, 46.987



43, 77.521, 45.890



13, 28.999, 41.462



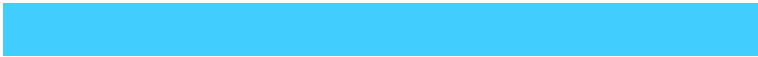


# Inverse Universe

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



80, 36.522, 235.903



77, 40.910, 239.652



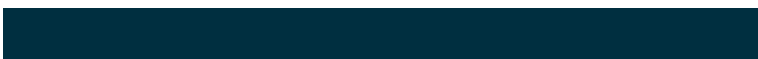
59, 68.018, 290.143



51, 4.093, 228.229



55, 37.668, 249.955



17, 16.709, 243.306



# Previews

## White Background



This preview shows how the CIELCh color 70, 57.581, 46.076 looks on a white background.

## Color Contrast Check

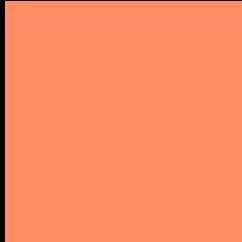
Large Text (above 18pt) WCAG AA × Fail

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, 57.581, 46.076 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, 57.581, 46.076**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 57.581, 46.076.



This preview shows how white text looks on a background with the CIELCh color 70, 57.581, 46.076.

# 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, 57.581, 46.076

**Protanomaly**  
70, 37.763, 70.088

**Deuteranomaly**  
70, 46.514, 63.999

**Tritanomaly**  
70, 50.425, 29.803

# Monochromacy



**Original Color**  
70, 57.581, 46.076

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 19.207, 45.822

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 57.581, 46.076 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, 140, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 98)  
}
```

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, 140, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 98) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 57.581, 46.076 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, 140, 98) }
```

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

```
.border{ border-color:rgb(255, 140, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
98) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 57.581, 46.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 98) }
```

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

```
.background{ background-color: rgb(255,  
140, 98) }
```

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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