

# Converting Colors

CIELCh(93, 103.983, 39.588)

Have a look what the booklet for  
CIELCh(93, 103.983, 39.588)  
contains.

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# **Color**

**CIELCh(74, 50.672, 51.366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9E6F
RGB	255, 158, 111
RGB Percent	100%, 62%, 44%
CMY	0.0012, 0.3814, 0.5657
CMYK	0.00, 0.38, 0.57, 0.00
HSL	20°, 100%, 72%
HSV	20°, 57%, 100%
XYZ	56.1610, 46.7039, 21.0199
YIQ	181.6450, 72.8990, 5.9470

# Conversions

## Conversions Part 2

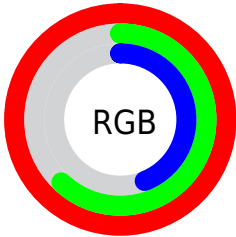
Format	Color
R <sub>Y</sub> B	255, 181, 111
Decimal	16752239
CIE Lab	74.00, 31.64, 39.58
CIE LCh	74, 50.672, 51.366
Yxy	46.7039, 0.4533, 0.3770
Android (android.graphics.Color)	4294942319 (0xFFFF9E6F)
YUV	181.6450, -34.8280, 64.3323
Hunter-Lab	68.3403, 27.0930, 29.6020

# Details

The CIELCh color **74, 50.672, 51.366** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **79, 35.296, 243.838**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 31.250, 75.248**, and **54, 50.490, 51.612** is the 20% darker color. If you saturate the color by 10%, you get **70, 61.640, 51.038**, and if you desaturate by 10%, it is **78, 40.209, 51.780**.

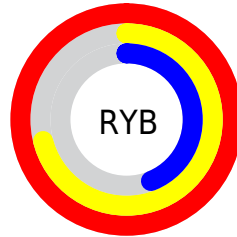
# Distribution



Red (100%)

Green (62%)

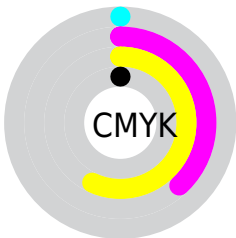
Blue (44%)



Red (100%)

Yellow (71%)

Blue (44%)

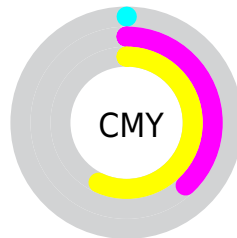


Cyan (0%)

Magenta (38%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 50.672, 51.366 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 74, 50.672, 51.366 by changing the saturation by 10% instead.



74, 50.672, 51.366

74, 50.672, 51.366

100, 50.672,  
51.366

64, 50.672, 51.366

94, 50.672, 51.366

54, 50.672, 51.366

44, 50.672, 51.366

34, 50.672, 51.366

24, 50.672, 51.366

14, 50.672, 51.366

4, 50.672, 51.366

0, 50.672, 51.366

74, 50.672, 51.366

74, 50.672, 51.366

70, 61.640, 51.038

78, 40.209, 51.780

66, 72.756, 50.687

83, 30.390, 52.288

63, 83.194, 50.063

87, 21.243, 52.887

60, 91.410, 48.646

92, 12.745, 53.553

59, 93.794, 48.074

97, 4.846, 54.219

100, 0.108,  
205.541

# Harmonies

# Complementary

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



74, 50.672, 51.366



79, 35.296, 243.838

# Rectangle

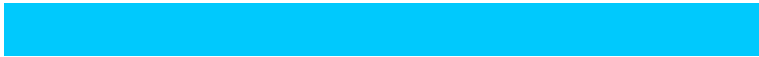
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 50.672, 51.366



74, 50.672, 101.366



74, 50.672, 231.366



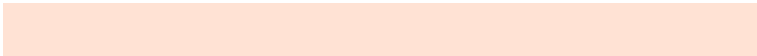
74, 50.672, 281.366

# Sweetspot

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



74, 50.670, 51.370



92, 13.154, 53.520



67, 69.821, 339.708



48, 8.864, 53.383



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



74, 50.670, 51.370



70, 63.356, 50.991



91, 59.843, 94.661



51, 4.279, 54.032



45, 75.136, 48.675



13, 28.221, 45.882





# Inverse Universe

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



79, 35.296, 243.838



76, 40.493, 247.455



60, 66.109, 291.410



51, 4.077, 235.755



51, 41.282, 261.021



16, 17.811, 253.823



# Previews

## White Background



This preview shows how the CIELCh color 74, 50.672, 51.366 looks on a white background.

## Color Contrast Check

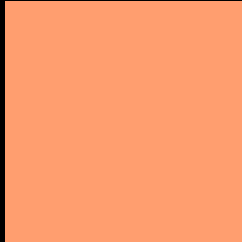
Large Text (above 18pt) WCAG AA × Fail

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 74, 50.672, 51.366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

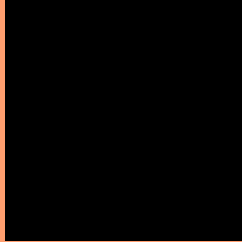
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 50.672, 51.366

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 50.672, 51.366.



This preview shows how white text looks on a background with the CIELCh color 74, 50.672, 51.366.

# 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

74, 50.672, 51.366

### Protanopia

74, 33.774, 95.441

### Deuteranopia

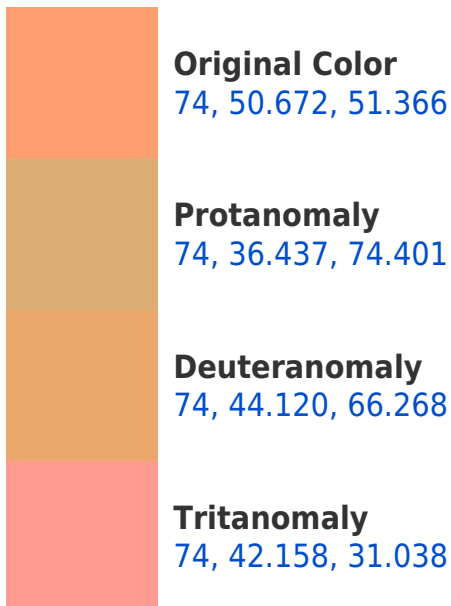
74, 41.954, 76.824



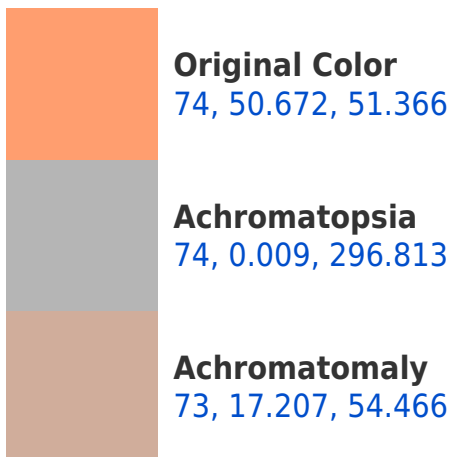
**Tritanopia**  
74, 40.809, 16.036



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 50.672, 51.366 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, 158, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 111)  
}
```

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, 158, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 111) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 50.672, 51.366 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, 158, 111) }
```

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

```
.border{ border-color:rgb(255, 158, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 158, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 158, 111); box-shadow:4px 4px 4px 4px rgb(255, 158, 111) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 50.672, 51.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 111) }
```

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

```
.background{ background-color: rgb(255,  
158, 111) }
```

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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