

# Converting Colors

CIELCh(83, 78.938, 42.599)

Have a look what the booklet for  
CIELCh(83, 78.938, 42.599) contains.

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# Color

**CIELCh(74, 51.479, 51.560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9D6D
RGB	255, 157, 109
RGB Percent	100%, 62%, 43%
CMY	0.0000, 0.3827, 0.5711
CMYK	0.00, 0.38, 0.57, 0.00
HSL	20°, 100%, 71%
HSV	20°, 57%, 100%
XYZ	56.3087, 46.7039, 20.6193
YIQ	180.8300, 73.8160, 5.8480

# Conversions

## Conversions Part 2

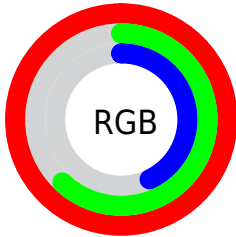
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 181, 109
Decimal	16751981
CIE Lab	74.00, 32.00, 40.32
CIE LCh	74, 51.479, 51.560
Yxy	46.7039, 0.4555, 0.3778
Android (android.graphics.Color)	4294942061 (0xFFFF9D6D)
YUV	180.8300, -35.4122, 65.0471
Hunter-Lab	68.3403, 27.4788, 29.9495

# Details

The CIELCh color **74, 51.479, 51.560** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **79, 35.695, 244.518**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 31.963, 75.051**, and **54, 51.361, 51.786** is the 20% darker color. If you saturate the color by 10%, you get **70, 62.285, 51.304**, and if you desaturate by 10%, it is **78, 40.817, 52.089**.

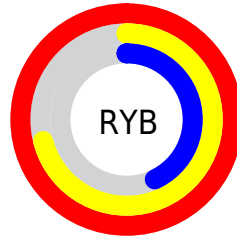
# Distribution



Red (100%)

Green (62%)

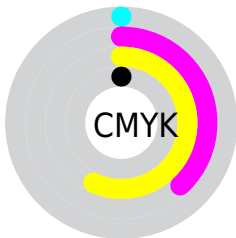
Blue (43%)



Red (100%)

Yellow (71%)

Blue (43%)

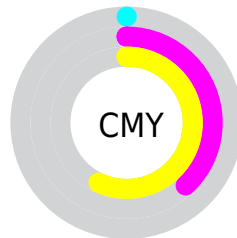


Cyan (0%)

Magenta (38%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 51.479, 51.560 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, 51.479, 51.560 by changing the saturation by 10% instead.



74, 51.479, 51.560

74, 51.479, 51.560

100, 51.479,  
51.560

64, 51.479, 51.560

94, 51.479, 51.560

54, 51.479, 51.560

44, 51.479, 51.560

34, 51.479, 51.560

24, 51.479, 51.560

14, 51.479, 51.560

4, 51.479, 51.560

0, 51.479, 51.560

74, 51.479, 51.560

74, 51.479, 51.560

70, 62.285, 51.304

78, 40.817, 52.089

66, 73.373, 50.915

83, 30.963, 52.613

63, 83.706, 50.226

87, 21.778, 53.226

60, 91.729, 48.718

92, 13.240, 53.905

60, 93.710, 48.245

97, 5.303, 54.591

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.



74, 51.479, 51.560



79, 35.695, 244.518

# Rectangle

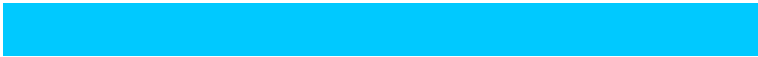
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 51.479, 51.560



74, 51.479, 101.560



74, 51.479, 231.560



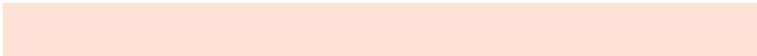
74, 51.479, 281.560

# Sweetspot

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



74, 51.306, 51.662



92, 13.150, 53.913



67, 70.490, 339.772



48, 8.862, 53.773



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, 51.306, 51.662



69, 64.391, 51.238



91, 60.482, 94.588



51, 4.279, 54.436



45, 74.998, 48.852



13, 28.180, 46.151





# Inverse Universe

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



79, 35.695, 244.518



75, 41.031, 248.349



60, 66.941, 291.565



51, 4.078, 236.184



51, 41.529, 261.602



16, 17.890, 254.389



# Previews

## White Background



This preview shows how the CIELCh color 74, 51.479, 51.560 looks on a white background.

## Color Contrast Check

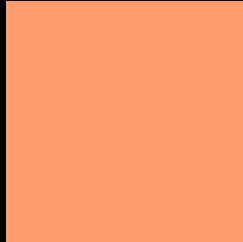
Large Text (above 18pt) WCAG AA × Fail

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, 51.479, 51.560 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, 51.479, 51.560

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 51.479, 51.560.



This preview shows how white text looks on a background with the CIELCh color 74, 51.479, 51.560.

# 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, 51.479, 51.560

### Protanopia

74, 34.284, 95.547

### Deuteranopia

74, 42.416, 77.091



**Tritanopia**  
74, 40.809, 16.036



# Trichromacy



**Original Color**  
74, 51.479, 51.560

**Protanomaly**  
74, 37.358, 75.105

**Deuteranomaly**  
74, 44.544, 66.623

**Tritanomaly**  
74, 42.342, 31.711

# Monochromacy



**Original Color**  
74, 51.479, 51.560

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 17.247, 52.329

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 51.479, 51.560 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, 157, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 109)  
}
```

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, 157, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 51.479, 51.560 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, 157, 109) }
```

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

```
.border{ border-color:rgb(255, 157, 109) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 51.479, 51.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 109) }
```

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

```
.background{ background-color: rgb(255,  
157, 109) }
```

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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