

# Converting Colors

CIELCh(74, 53.169, 52.782)

Have a look what the booklet for  
CIELCh(74, 53.169, 52.782) contains.

<b>CIELCh(74, 52.538, 52.772)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(74, 52.538, 52.772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9E6A
RGB	255, 158, 106
RGB Percent	100%, 62%, 42%
CMY	0.0000, 0.3823, 0.5825
CMYK	0.00, 0.38, 0.58, 0.00
HSL	21°, 100%, 71%
HSV	21°, 58%, 100%
XYZ	56.2205, 46.7039, 19.8161
YIQ	181.0750, 74.5040, 4.3920

# Conversions

## Conversions Part 2

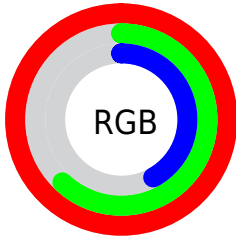
Format	Color
R <sub>Y</sub> B	255, 186, 106
Decimal	16752234
CIE Lab	74.00, 31.78, 41.83
CIE LCh	74, 52.538, 52.772
Yxy	46.7039, 0.4580, 0.3805
Android (android.graphics.Color)	4294942314 (0xFFFF9E6A)
YUV	181.0750, -37.0120, 64.8322
Hunter-Lab	68.3403, 27.2485, 30.6463

# Details

The CIELCh color **74, 52.538, 52.772** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **78, 36.610, 246.948**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 33.510, 77.256**, and **54, 52.338, 53.577** is the 20% darker color. If you saturate the color by 10%, you get **70, 63.237, 52.438**, and if you desaturate by 10%, it is **78, 41.841, 53.421**.

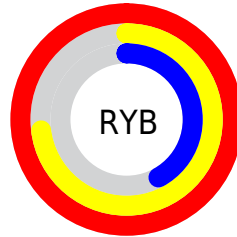
# Distribution



Red (100%)

Green (62%)

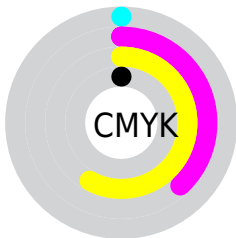
Blue (42%)



Red (100%)

Yellow (73%)

Blue (42%)

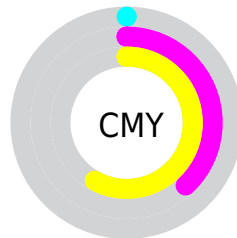


Cyan (0%)

Magenta (38%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 52.538, 52.772 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, 52.538, 52.772 by changing the saturation by 10% instead.



74, 52.538, 52.772

74, 52.538, 52.772

100, 52.538,  
52.772

64, 52.538, 52.772

94, 52.538, 52.772

54, 52.538, 52.772

44, 52.538, 52.772

34, 52.538, 52.772

24, 52.538, 52.772

14, 52.538, 52.772

4, 52.538, 52.772

0, 52.538, 52.772

74, 52.538, 52.772

74, 52.538, 52.772

70, 63.237, 52.438

78, 41.841, 53.421

66, 74.174, 51.904

82, 31.971, 54.019

63, 84.192, 51.010

87, 22.752, 54.698

60, 91.796, 49.280

91, 14.169, 55.438

60, 92.990, 48.981

96, 6.178, 56.192

100, 0.012,  
296.813

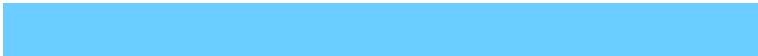
# Harmonies

# Complementary

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



74, 52.538, 52.772



78, 36.610, 246.948

# Rectangle

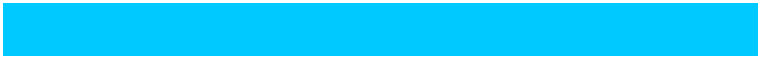
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 52.538, 52.772



74, 52.538, 102.772



74, 52.538, 232.772



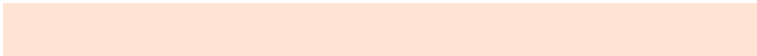
74, 52.538, 282.772

# Sweetspot

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



74, 52.319, 52.905



92, 13.142, 55.533



67, 70.883, 340.749



48, 8.854, 55.380



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, 52.319, 52.905



69, 65.173, 52.355



91, 62.392, 95.533



51, 4.279, 56.101



46, 74.427, 49.606



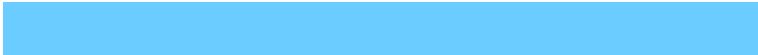
14, 28.018, 47.282





# Inverse Universe

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



78, 36.610, 246.948



74, 42.014, 250.909



59, 69.904, 292.684



51, 4.086, 237.949



50, 42.587, 263.934



16, 18.232, 256.680



# Previews

## White Background



This preview shows how the CIELCh color 74, 52.538, 52.772 looks on a white background.

## Color Contrast Check

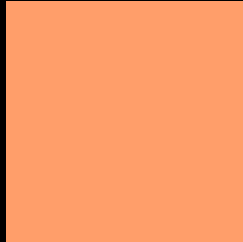
Large Text (above 18pt) WCAG AA × Fail

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, 52.538, 52.772 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, 52.538, 52.772

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 52.538, 52.772.



This preview shows how white text looks on a background with the CIELCh color 74, 52.538, 52.772.

# 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, 52.441, 53.400

### Protanopia

74, 35.810, 95.840

### Deuteranopia

74, 43.801, 77.848



**Tritanopia**  
74, 40.809, 16.036



# Trichromacy



**Original Color**  
74, 52.441, 53.400

**Protanomaly**  
74, 38.282, 75.768

**Deuteranomaly**  
74, 45.821, 67.640

**Tritanomaly**  
74, 42.532, 32.378

# Monochromacy



**Original Color**  
74, 52.441, 53.400

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 17.574, 53.721

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 52.538, 52.772 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 52.538, 52.772 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, 106) }
```

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

```
.border{ border-color:rgb(255, 158, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 52.538, 52.772 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, 106) }
```

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

```
.background{ background-color: rgb(255,  
158, 106) }
```

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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