

# Converting Colors

CIELCh(74, 49.994, 61.562)

Have a look what the booklet for  
CIELCh(74, 49.994, 61.562) contains.

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# **Color**

**CIELCh(74, 49.727, 61.854)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4A466
RGB	244, 164, 102
RGB Percent	96%, 64%, 40%
CMY	0.0434, 0.3571, 0.6002
CMYK	0.00, 0.33, 0.58, 0.04
HSL	26°, 87%, 68%
HSV	26°, 58%, 96%
XYZ	52.9400, 46.7039, 18.7783
YIQ	180.8520, 67.5820, -2.3220

# Conversions

## Conversions Part 2

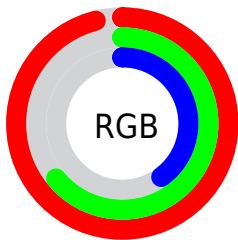
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 212, 102
Decimal	16032870
CIE <sub>Lab</sub>	74.00, 23.46, 43.85
CIE <sub>LCh</sub>	74, 49.727, 61.854
Yxy	46.7039, 0.4470, 0.3944
Android (android.graphics.Color)	4294222950 (0xFFFF4A466)
YUV	180.8520, -38.8740, 55.3808
Hunter-Lab	68.3403, 18.6801, 31.5467

# Details

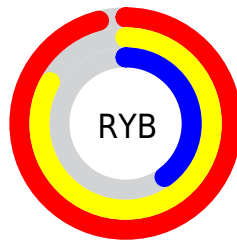
The CIELCh color **74, 49.727, 61.854** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **71, 38.813, 259.958**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 36.786, 83.959**, and **54, 49.571, 61.810** is the 20% darker color. If you saturate the color by 10%, you get **71, 59.620, 60.760**, and if you desaturate by 10%, it is **78, 40.071, 62.923**.

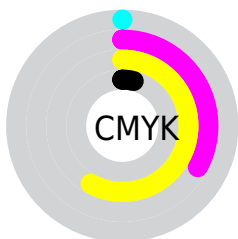
# Distribution



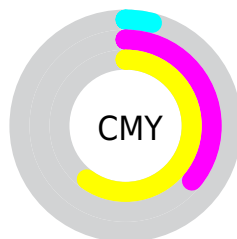
- Red (96%)
- Green (64%)
- Blue (40%)



- Red (96%)
- Yellow (83%)
- Blue (40%)



- Cyan (0%)
- Magenta (33%)
- Yellow (58%)
- Black (4%)



- Cyan (4%)
- Magenta (36%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 49.727, 61.854 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, 49.727, 61.854 by changing the saturation by 10% instead.



 74, 49.727, 61.854

 74, 49.727, 61.854

 100, 49.727,  
61.854

 64, 49.727, 61.854

 94, 49.727, 61.854

 54, 49.727, 61.854

 44, 49.727, 61.854

 34, 49.727, 61.854

 24, 49.727, 61.854

 14, 49.727, 61.854

 4, 49.727, 61.854

 0, 49.727, 61.854

 74, 49.727, 61.854

 74, 49.727, 61.854

71, 59.620, 60.760

78, 40.071, 62.923

67, 69.316, 59.511

81, 30.843, 63.997

64, 77.939, 57.854

85, 22.103, 65.090

62, 84.282, 55.414

89, 13.853, 66.192

61, 85.314, 54.978

93, 6.067, 67.269

97, 1.297, 248.839

99, 3.826, 199.336

# Harmonies

# Complementary

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



74, 49.727, 61.854



71, 38.813, 259.958

# Rectangle

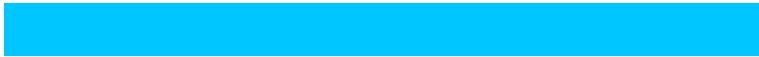
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 49.727, 61.854



74, 49.727, 111.854



74, 49.727, 241.854



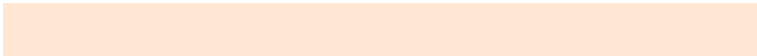
74, 49.727, 291.854

# Sweetspot

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



74, 49.726, 61.858



93, 13.362, 66.321



63, 64.470, 346.295



49, 8.990, 66.099



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, 49.726, 61.858



73, 63.658, 60.533



91, 65.233, 101.404



49, 4.228, 67.137



47, 69.310, 55.659



13, 24.801, 55.025





# Inverse Universe

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



71, 38.813, 259.958



70, 47.265, 264.277



53, 76.118, 296.952



49, 4.094, 249.485



44, 50.143, 277.143



12, 19.836, 269.364



# Previews

## White Background



This preview shows how the CIELCh color 74, 49.727, 61.854 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, 49.727, 61.854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

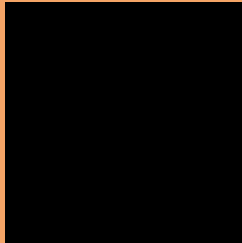
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 74, 49.727, 61.854

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 49.727, 61.854.



This preview shows how white text looks on a background with the CIELCh color 74, 49.727, 61.854.

# 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**  
74, 37.094, 13.200



# Trichromacy



**Original Color**  
74, 49.727, 61.854

**Protanomaly**  
74, 41.084, 81.528

**Deuteranomaly**  
74, 46.423, 71.277

**Tritanomaly**  
74, 37.742, 34.663

# Monochromacy



**Original Color**  
74, 49.727, 61.854

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 17.153, 66.043

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 49.727, 61.854 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(244, 164, 102)` looks like.

```
.text, #text, p{  
    color:rgb(244, 164, 102)  
}
```

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(244, 164, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 164, 102) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 49.727, 61.854 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(244, 164, 102) }
```

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

```
.border{ border-color:rgb(244, 164, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 164, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 164, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 164, 102);  
box-shadow:4px 4px 4px 4px rgb(244, 164,  
102) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 49.727, 61.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 164, 102) }
```

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

```
.background{ background-color: rgb(244,  
164, 102) }
```

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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