

# Converting Colors

CIELCh(74, 74.432, 69.169)

Have a look what the booklet for  
CIELCh(74, 74.432, 69.169) contains.

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# **Color**

**CIELCh(74, 74.347, 69.313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEA12C
RGB	254, 161, 44
RGB Percent	100%, 63%, 17%
CMY	0.0042, 0.3689, 0.8277
CMYK	0.00, 0.37, 0.83, 0.00
HSL	33°, 99%, 58%
HSV	33°, 83%, 100%
XYZ	54.0310, 46.7039, 8.5424
YIQ	175.4690, 92.9850, -16.6710

# Conversions

## Conversions Part 2

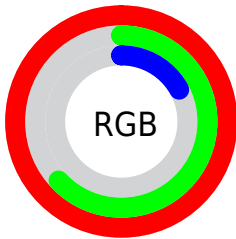
Format	Color
R <sub>Y</sub> B	211, 254, 44
Decimal	16687404
CIE Lab	74.00, 26.26, 69.55
CIE LCh	74, 74.347, 69.313
Yxy	46.7039, 0.4944, 0.4274
Android (android.graphics.Color)	4294877484 (0xFFFEA12C)
YUV	175.4690, -64.8142, 68.8717
Hunter-Lab	68.3403, 21.5297, 40.4271

# Details

The CIELCh color **74, 74.347, 69.313** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **58, 67.290, 282.710**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 60.907, 89.308**, and **54, 67.031, 66.623** is the 20% darker color. If you saturate the color by 10%, you get **71, 80.550, 66.904**, and if you desaturate by 10%, it is **77, 66.055, 71.190**.

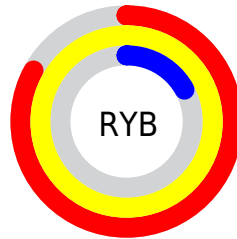
# Distribution



Red (100%)

Green (63%)

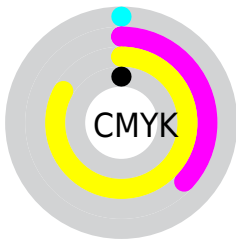
Blue (17%)



Red (83%)

Yellow (100%)

Blue (17%)

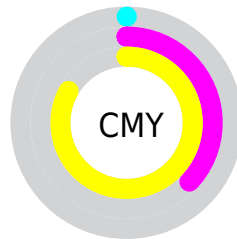


Cyan (0%)

Magenta (37%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 74.347, 69.313 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, 74.347, 69.313 by changing the saturation by 10% instead.



 74, 74.347, 69.313

 74, 74.347, 69.313

 100, 74.347,  
69.313

 64, 74.347, 69.313

 94, 74.347, 69.313

 54, 74.347, 69.313

 44, 74.347, 69.313

 34, 74.347, 69.313

 24, 74.347, 69.313

 14, 74.347, 69.313

 4, 74.347, 69.313

 0, 74.347, 69.313

 74, 74.347, 69.313

 74, 74.347, 69.313

71, 80.550, 66.904

77, 66.055, 71.190

70, 83.512, 64.737

80, 56.753, 72.791

83, 47.140, 74.264

86, 37.586, 75.675

89, 28.267, 77.048

92, 19.256, 78.391

95, 10.569, 79.692

99, 2.199, 80.836

100, 0.375,  
201.151

# Harmonies

# Complementary

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



74, 74.347, 69.313



58, 67.290, 282.710

# Rectangle

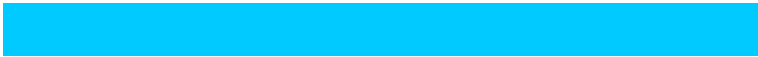
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 74.347, 69.313



74, 74.347, 119.313



74, 74.347, 249.313



74, 74.347, 299.313

# Sweetspot

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



74, 74.345, 69.316



92, 21.373, 78.084



57, 79.876, 0.407



48, 14.679, 77.613



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, 74.345, 69.316



70, 83.379, 65.018



96, 91.349, 105.985



51, 4.719, 80.094



54, 67.333, 65.411



17, 27.117, 67.581





# Inverse Universe

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



58, 67.290, 282.710



51, 81.575, 289.664



37, 120.410, 304.902



50, 4.653, 262.683



38, 65.215, 289.296



11, 26.303, 283.212



# Previews

## White Background



This preview shows how the CIELCh color 74, 74.347, 69.313 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, 74.347, 69.313 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, 74.347, 69.313

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 74.347, 69.313.



This preview shows how white text looks on a background with the CIELCh color 74, 74.347, 69.313.

# 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, 74.347, 69.313

### Protanopia

74, 66.402, 95.270

### Deuteranopia

74, 71.017, 82.204



**Tritanopia**  
74, 40.809, 16.036



# Trichromacy



**Original Color**  
74, 74.347, 69.313

**Protanomaly**  
74, 67.382, 85.037

**Deuteranomaly**  
74, 71.912, 77.422

**Tritanomaly**  
74, 47.970, 45.891

# Monochromacy



**Original Color**  
74, 74.347, 69.313

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 27.568, 76.542

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 74.347, 69.313 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(254, 161, 44)` looks like.

```
.text, #text, p{  
    color:rgb(254, 161, 44)  
}
```

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(254, 161, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 161, 44) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 74.347, 69.313 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(254, 161, 44) }
```

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

```
.border{ border-color:rgb(254, 161, 44) }
```

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

Here you see how a box with a 4 pixel rgb(254, 161, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 161, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 161, 44);  
box-shadow:4px 4px 4px 4px rgb(254, 161,  
44) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 74.347, 69.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 161, 44) }
```

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

```
.background{ background-color: rgb(254,  
161, 44) }
```

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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