

# Converting Colors

CIELCh(74, 40.783, 15.344)

Have a look what the booklet for  
CIELCh(74, 40.783, 15.344) contains.

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# Color

**CIELCh(74, 40.781, 15.290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99A4
RGB	255, 153, 164
RGB Percent	100%, 60%, 64%
CMY	0.0001, 0.4001, 0.3570
CMYK	0.00, 0.40, 0.36, 0.00
HSL	354°, 100%, 80%
HSV	354°, 40%, 100%
XYZ	59.3104, 46.7039, 40.9955
YIQ	184.7520, 57.2610, 25.0450

# Conversions

## Conversions Part 2

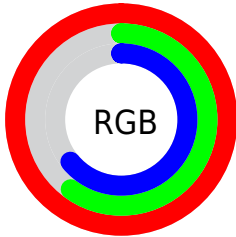
Format	Color
R <sub>Y</sub> B	255, 153, 164
Decimal	16751012
CIE Lab	74.00, 39.34, 10.75
CIE LCh	74, 40.781, 15.290
Yxy	46.7039, 0.4034, 0.3177
Android (android.graphics.Color)	4294941092 (0xFFFF99A4)
YUV	184.7520, -10.2307, 61.6075
Hunter-Lab	68.3403, 35.3192, 12.2717

# Details

The CIELCh color **74, 40.781, 15.290** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **94, 32.540, 187.279**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 17.707, 3.746**, and **54, 40.947, 15.637** is the 20% darker color. If you saturate the color by 10%, you get **68, 52.024, 17.338**, and if you desaturate by 10%, it is **80, 29.791, 13.680**.

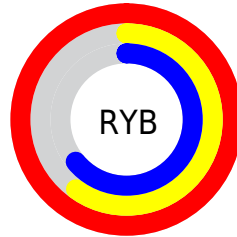
# Distribution



Red (100%)

Green (60%)

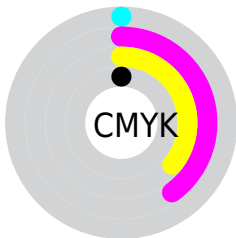
Blue (64%)



Red (100%)

Yellow (60%)

Blue (64%)

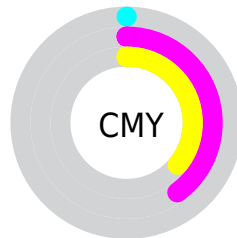


Cyan (0%)

Magenta (40%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (36%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 40.781, 15.290 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, 40.781, 15.290 by changing the saturation by 10% instead.



 74, 40.781, 15.290

 74, 40.781, 15.290

 100, 40.781,  
15.290

 64, 40.781, 15.290

 94, 40.781, 15.290

 54, 40.781, 15.290

 44, 40.781, 15.290

 34, 40.781, 15.290

 24, 40.781, 15.290

 14, 40.781, 15.290

 4, 40.781, 15.290

 0, 40.781, 15.290

 74, 40.781, 15.290

 74, 40.781, 15.290

68, 52.024, 17.338

80, 29.791, 13.680

63, 63.208, 19.949

87, 19.272, 12.386

59, 73.940, 23.257

93, 9.332, 11.310

56, 83.842, 27.317

100, 0.012,  
303.972

54, 92.592, 31.936

100, 0.016,  
245.532

53, 99.734, 36.335

# Harmonies

# Complementary

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



74, 40.781, 15.290



94, 32.540, 187.279

# Rectangle

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



74, 40.781, 15.290



74, 40.781, 65.290



74, 40.781, 195.290



74, 40.781, 245.290

# Sweetspot

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



74, 40.778, 15.293



92, 11.270, 11.513



75, 61.693, 323.122



48, 7.507, 11.648



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, 40.778, 15.293



69, 49.772, 16.888



83, 33.528, 58.126



50, 5.296, 11.259



40, 79.601, 35.550



10, 32.548, 22.791





# Inverse Universe

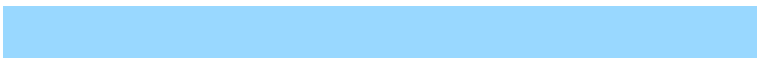
The Inverse Universe completely reimagines the original color for something new.



74, 40.778, 15.293



69, 49.772, 16.888



83, 27.370, 247.916



50, 5.296, 11.259



40, 79.601, 35.550

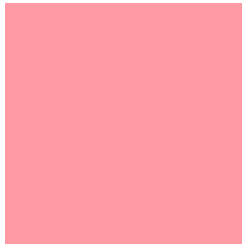


10, 32.548, 22.791



# Previews

## White Background



This preview shows how the CIELCh color 74, 40.781, 15.290 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, 40.781, 15.290 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, 40.781, 15.290

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 40.781, 15.290.

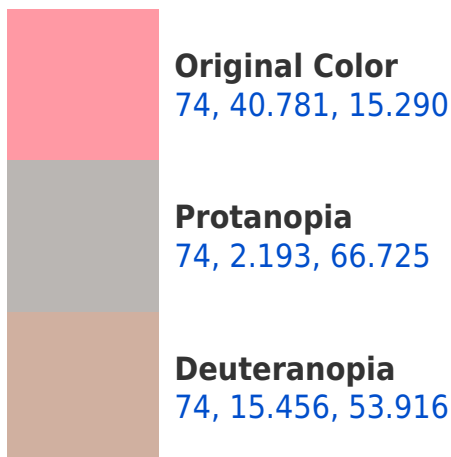


This preview shows how white text looks on a background with the CIELCh color 74, 40.781, 15.290.

# 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, 40.781, 15.290



# Trichromacy



**Original Color**  
74, 40.781, 15.290



**Protanomaly**  
74, 15.560, 14.821



**Deuteranomaly**  
74, 23.212, 30.572



**Tritanomaly**  
74, 40.781, 15.290

# Monochromacy



**Original Color**  
74, 40.781, 15.290



**Achromatopsia**  
75, 0.009, 296.813



**Achromatomaly**  
74, 14.386, 12.068

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 40.781, 15.290 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, 153, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 164)  
}
```

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, 153, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 164) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 40.781, 15.290 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, 153, 164) }
```

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

```
.border{ border-color:rgb(255, 153, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 164); box-shadow:4px 4px 4px 4px rgb(255, 153, 164) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 40.781, 15.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 164) }
```

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

```
.background{ background-color: rgb(255,  
153, 164) }
```

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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