

# Converting Colors

CIELCh(78, 33.837, 7.172)

Have a look what the booklet for  
CIELCh(78, 33.837, 7.172) contains.

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# **Color**

**CIELCh(78, 34.097, 7.388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA9BA
RGB	255, 169, 186
RGB Percent	100%, 66%, 73%
CMY	0.0000, 0.3370, 0.2704
CMYK	0.00, 0.34, 0.27, 0.00
HSL	348°, 100%, 83%
HSV	348°, 34%, 100%
XYZ	64.3252, 53.2120, 53.3626
YIQ	196.6520, 45.7990, 23.5190

# Conversions

## Conversions Part 2

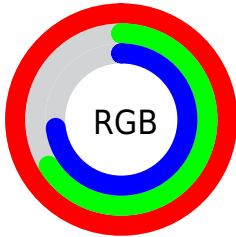
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 169, 186
Decimal	16755130
CIE <sub>Lab</sub>	78.00, 33.81, 4.38
CIE <sub>LCh</sub>	78, 34.097, 7.388
Y <sub>xy</sub>	53.2120, 0.3764, 0.3114
Android (android.graphics.Color)	4294945210 (0xFFFFA9BA)
Y <sub>UV</sub>	196.6520, -5.2514, 51.1712
Hunter-Lab	72.9466, 29.7472, 7.6902

# Details

The CIELCh color **78, 34.097, 7.388** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **94, 29.491, 180.226**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **92, 13.853, 341.133**, and **58, 34.159, 7.629** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.902, 9.159**, and if you desaturate by 10%, it is **84, 23.451, 5.931**.

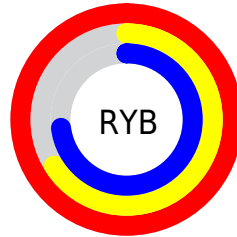
# Distribution



Red (100%)

Green (66%)

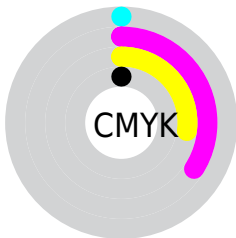
Blue (73%)



Red (100%)

Yellow (66%)

Blue (73%)

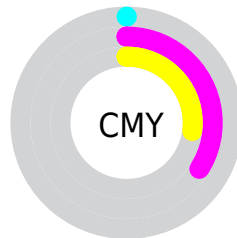


Cyan (0%)

Magenta (34%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 34.097, 7.388 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 78, 34.097, 7.388 by changing the saturation by 10% instead.



 78, 34.097, 7.388

 78, 34.097, 7.388

 100, 34.097, 7.388

 68, 34.097, 7.388

 98, 34.097, 7.388

 58, 34.097, 7.388

 48, 34.097, 7.388

 38, 34.097, 7.388

 28, 34.097, 7.388

 18, 34.097, 7.388

 8, 34.097, 7.388

 0, 34.097, 7.388

 78, 34.097, 7.388

 78, 34.097, 7.388

72, 44.902, 9.159

84, 23.451, 5.931

67, 55.636, 11.388

91, 13.222, 4.719

62, 65.874, 14.213

97, 3.480, 3.584

58, 75.191, 17.795

100, 0.012,  
296.813

56, 83.291, 22.232

54, 90.156, 27.426

53, 94.051, 30.784

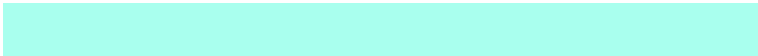
# Harmonies

# Complementary

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



78, 34.097, 7.388



94, 29.491, 180.226

# Rectangle

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



78, 34.097, 7.388



78, 34.097, 57.388



78, 34.097, 187.388



78, 34.097, 237.388

# Sweetspot

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



78, 34.074, 7.380



93, 9.554, 4.310



78, 51.212, 320.313



49, 6.543, 4.463



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 34.074, 7.380



74, 40.884, 8.455



83, 27.950, 49.592



50, 5.425, 4.256



40, 75.057, 29.765



10, 31.997, 18.848





# Inverse Universe

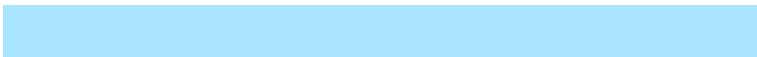
The Inverse Universe completely reimagines the original color for something new.



78, 34.074, 7.380



74, 40.884, 8.455



88, 22.670, 235.120



50, 5.425, 4.256



40, 75.057, 29.765



10, 31.997, 18.848



# Previews

## White Background



This preview shows how the CIELCh color 78, 34.097, 7.388 looks on a white background.

## Color Contrast Check

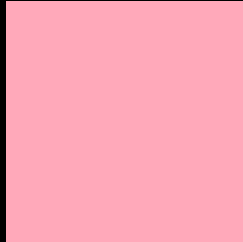
Large Text (above 18pt) WCAG AA × Fail

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 78, 34.097, 7.388 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 78, 34.097, 7.388

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 34.097, 7.388.



This preview shows how white text looks on a background with the CIELCh color 78, 34.097, 7.388.

# 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**  
78, 34.097, 7.388

**Protanopia**  
78, 3.925, 306.676

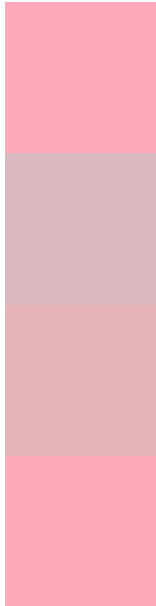
**Deuteranopia**  
78, 11.306, 31.047



**Tritanopia**  
78, 33.448, 11.620



# Trichromacy



**Original Color**  
78, 34.097, 7.388

**Protanomaly**  
78, 13.465, 357.219

**Deuteranomaly**  
78, 19.327, 14.751

**Tritanomaly**  
78, 33.478, 10.721

# Monochromacy



**Original Color**  
78, 34.097, 7.388

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 12.078, 5.080

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 34.097, 7.388 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, 169, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 186)  
}
```

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, 169, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 34.097, 7.388 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, 169, 186) }
```

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

```
.border{ border-color:rgb(255, 169, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 34.097, 7.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 186) }
```

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

```
.background{ background-color: rgb(255,  
169, 186) }
```

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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