

Converting Colors

CIELCh(80, 41.262, 15.907)

Have a look what the booklet for
CIELCh(80, 41.262, 15.907) contains.

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Color

CIELCh(78, 33.842, 13.589)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAB4
RGB	255, 170, 180
RGB Percent	100%, 67%, 71%
CMY	0.0000, 0.3352, 0.2960
CMYK	0.00, 0.34, 0.30, 0.00
HSL	353°, 100%, 83%
HSV	353°, 34%, 100%
XYZ	63.9220, 53.2120, 49.8226
YIQ	196.5550, 47.4500, 21.1300

Conversions

Conversions Part 2

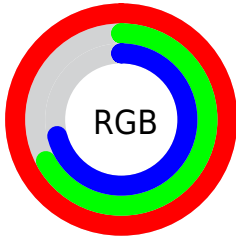
Format	Color
R _Y B	255, 170, 180
Decimal	16755380
CIE Lab	78.00, 32.89, 7.95
CIE LCh	78, 33.842, 13.589
Yxy	53.2120, 0.3829, 0.3187
Android (android.graphics.Color)	4294945460 (0xFFFFAAB4)
YUV	196.5550, -8.1616, 51.2563
Hunter-Lab	72.9466, 28.7604, 10.5674

Details

The CIELCh color **78, 33.842, 13.589** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **95, 28.051, 187.033**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **92, 11.642, 353.973**, and **58, 33.139, 13.806** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.690, 15.268**, and if you desaturate by 10%, it is **84, 22.932, 12.105**.

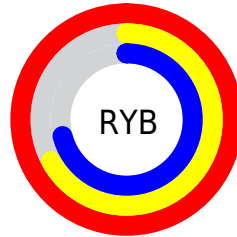
Distribution



Red (100%)

Green (67%)

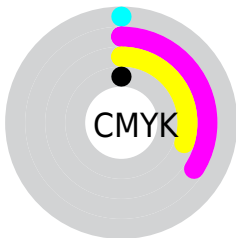
Blue (71%)



Red (100%)

Yellow (67%)

Blue (71%)

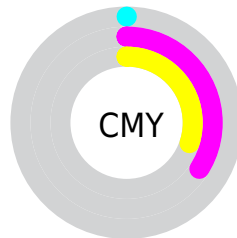


Cyan (0%)

Magenta (34%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 33.842, 13.589 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, 33.842, 13.589 by changing the saturation by 10% instead.

78, 33.842, 13.589

78, 33.842, 13.589

100, 33.842,
13.589

68, 33.842, 13.589

98, 33.842, 13.589

58, 33.842, 13.589

48, 33.842, 13.589

38, 33.842, 13.589

28, 33.842, 13.589

18, 33.842, 13.589

8, 33.842, 13.589

0, 33.842, 13.589

78, 33.842, 13.589

78, 33.842, 13.589

72, 44.690, 15.268

84, 22.932, 12.105

67, 55.895, 17.501

91, 12.780, 10.954

62, 66.876, 20.349

98, 3.223, 9.877

58, 77.235, 23.934

100, 0.012,
296.813

55, 86.631, 28.262

54, 94.767, 33.026

53, 99.204, 35.876

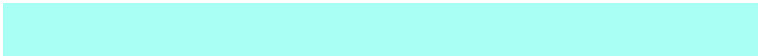
Harmonies

Complementary

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



78, 33.842, 13.589



95, 28.051, 187.033

Rectangle

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



78, 33.842, 13.589



78, 33.842, 63.589



78, 33.842, 193.589



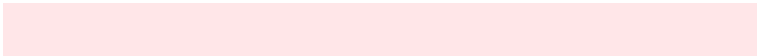
78, 33.842, 243.589

Sweetspot

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



78, 33.617, 13.510



93, 9.347, 10.589



79, 51.697, 322.336



49, 6.406, 10.733



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, 33.617, 13.510



74, 40.762, 14.602



85, 27.483, 56.856



50, 5.306, 10.538



40, 79.155, 35.058



10, 32.488, 22.412

Inverse Universe

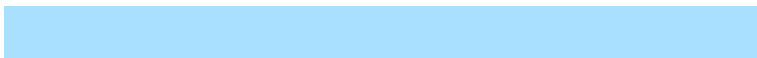
The Inverse Universe completely reimagines the original color for something new.



78, 33.617, 13.510



74, 40.762, 14.602



86, 23.070, 244.337



50, 5.306, 10.538



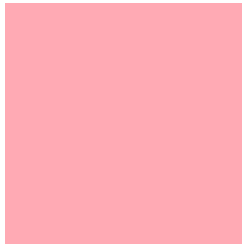
40, 79.155, 35.058



10, 32.488, 22.412

Previews

White Background



This preview shows how the CIELCh color 78, 33.842, 13.589 looks on a white background.

Color Contrast Check

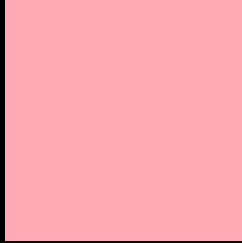
Large Text (above 18pt) WCAG AA × Fail

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, 33.842, 13.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

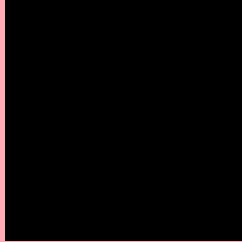
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 33.842, 13.589

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.842, 13.589.



This preview shows how white text looks on a background with the CIELCh color 78, 33.842, 13.589.

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, 33.414, 13.422

Protanopia

78, 1.850, 19.263

Deuteranopia

78, 13.561, 43.304



Tritanopia
78, 33.898, 10.919

Trichromacy



Original Color
78, 33.414, 13.422



Protanomaly
78, 13.013, 13.423



Deuteranomaly
78, 19.989, 25.574



Tritanomaly
78, 33.870, 11.808

Monochromacy



Original Color
78, 33.414, 13.422



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 11.897, 10.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.842, 13.589 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, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 180)  
}
```

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, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.842, 13.589 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, 170, 180) }
```

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

```
.border{ border-color:rgb(255, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.842, 13.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 180) }
```

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

```
.background{ background-color: rgb(255,  
170, 180) }
```

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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