

Converting Colors

CIELCh(80, 44.174, 5.133)

Have a look what the booklet for
CIELCh(80, 44.174, 5.133) contains.

CIELCh(78, 36.331, 359.811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(78, 36.331, 359.811)

Conversions

Conversions Part 1

Format	Color
Hex	FFA7C2
RGB	255, 167, 194
RGB Percent	100%, 65%, 76%
CMY	0.0000, 0.3437, 0.2378
CMYK	0.00, 0.34, 0.24, 0.00
HSL	342°, 100%, 83%
HSV	342°, 34%, 100%
XYZ	65.4380, 53.2120, 58.0674
YIQ	196.3900, 43.7810, 27.0530

Conversions

Conversions Part 2

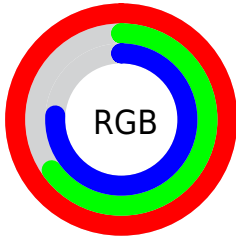
Format	Color
R _Y B	255, 167, 194
Decimal	16754626
CIE Lab	78.00, 36.33, -0.12
CIE LCh	78, 36.331, 359.811
Yxy	53.2120, 0.3703, 0.3011
Android (android.graphics.Color)	4294944706 (0xFFFFA7C2)
YUV	196.3900, -1.1783, 51.4010
Hunter-Lab	72.9466, 32.4701, 3.8661

Details

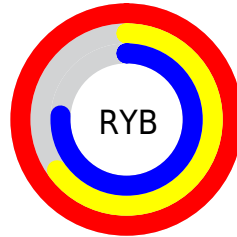
The CIELCh color **78, 36.331, 359.811** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **94, 32.396, 171.900**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **92, 17.978, 329.790**, and **58, 35.860, 0.193** is the 20% darker color. If you saturate the color by 10%, you get **72, 46.543, 1.086**, and if you desaturate by 10%, it is **84, 25.065, 357.991**.

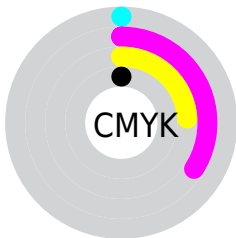
Distribution



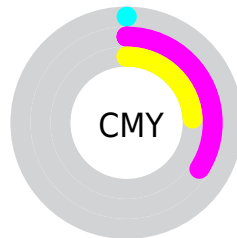
- Red (100%)
- Green (65%)
- Blue (76%)



- Red (100%)
- Yellow (65%)
- Blue (76%)



- Cyan (0%)
- Magenta (34%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 36.331, 359.811 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, 36.331, 359.811 by changing the saturation by 10% instead.


 78, 36.331,
359.811


 78, 36.331,
359.811


 100, 36.331,
359.811


 68, 36.331,
359.811


 98, 36.331,
359.811

 58, 36.331,
359.811

 48, 36.331,
359.811

 38, 36.331,
359.811

 28, 36.331,
359.811

 18, 36.331,
359.811

 8, 36.331, 359.811

0, 36.331, 359.811

78, 36.331,
359.811

78, 36.331,
359.811

72, 46.543, 1.086

84, 25.065,
357.991

67, 56.868, 3.168

90, 14.521,
356.792

62, 66.321, 5.784

59, 74.411, 9.108

97, 4.331, 355.679

56, 80.812, 13.311

100, 0.012,
296.813

54, 85.598, 18.461

54, 87.928, 21.619

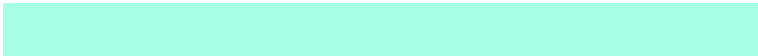
Harmonies

Complementary

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



78, 36.331, 359.811



94, 32.396, 171.900

Rectangle

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



78, 36.331, 359.811



78, 36.331, 49.811



78, 36.331, 179.811



78, 36.331, 229.811

Sweetspot

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



78, 35.820, 359.396



93, 10.016, 356.310



77, 51.020, 316.693



49, 6.853, 356.463



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, 35.820, 359.396



74, 42.950, 0.478



81, 30.198, 37.693



50, 5.689, 356.256



40, 70.414, 20.530



10, 31.429, 12.179

Inverse Universe

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



78, 35.820, 359.396



74, 42.950, 0.478



90, 23.557, 219.000



50, 5.689, 356.256



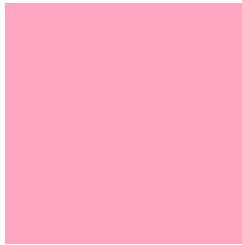
40, 70.414, 20.530



10, 31.429, 12.179

Previews

White Background



This preview shows how the CIELCh color 78, 36.331, 359.811 looks on a white background.

Color Contrast Check

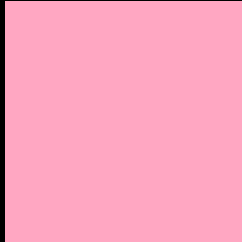
Large Text (above 18pt) WCAG AA × Fail

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, 36.331, 359.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

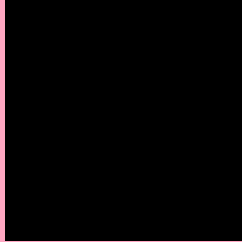
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 36.331, 359.811

Background



This preview shows how black text looks on a background with the CIELCh color 78, 36.331, 359.811.



This preview shows how white text looks on a background with the CIELCh color 78, 36.331, 359.811.

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, 35.952, 359.505

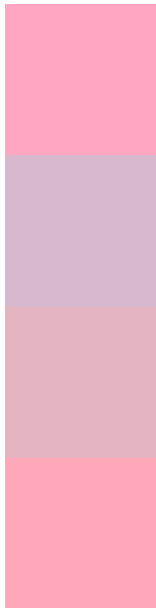
Protanopia
78, 9.109, 291.012

Deuteranopia
78, 9.633, 7.384



Tritanopia
78, 33.513, 10.741

Trichromacy



Original Color
78, 35.952, 359.505

Protanomaly
78, 16.283, 337.169

Deuteranomaly
78, 19.207, 1.695

Tritanomaly
78, 34.202, 6.533

Monochromacy



Original Color
78, 35.952, 359.505

Achromatopsia
80, 0.010, 296.813

Achromatomaly
78, 13.092, 356.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 36.331, 359.811 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, 167, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 194)  
}
```

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, 167, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 36.331, 359.811 is called "border". The border property can be set on classes, ids or directly on the HTML element.

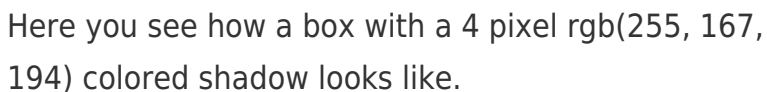
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 167, 194) }
```

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

```
.border{ border-color:rgb(255, 167, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 167, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 36.331, 359.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 194) }
```

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

```
.background{ background-color: rgb(255,  
167, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor