

Converting Colors

CIELCh(89, 61.309, 13.901)

Have a look what the booklet for
CIELCh(89, 61.309, 13.901) contains.

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Color

CIELCh(80, 32.342, 0.409)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0C7
RGB	255, 176, 199
RGB Percent	100%, 69%, 78%
CMY	0.0000, 0.3095, 0.2193
CMYK	0.00, 0.31, 0.22, 0.00
HSL	343°, 100%, 85%
HSV	343°, 31%, 100%
XYZ	67.5189, 56.6813, 61.4584
YIQ	202.2430, 39.7010, 23.9010

Conversions

Conversions Part 2

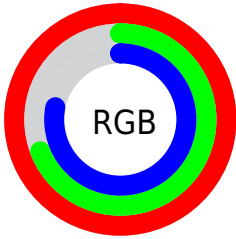
Format	Color
R _Y B	255, 176, 199
Decimal	16756935
CIE Lab	80.00, 32.34, 0.23
CIE LCh	80, 32.342, 0.409
Yxy	56.6813, 0.3637, 0.3053
Android (android.graphics.Color)	4294947015 (0xFFFFB0C7)
YUV	202.2430, -1.5988, 46.2679
Hunter-Lab	75.2870, 28.3302, 4.3012

Details

The CIELCh color $80, 32.342, 0.409$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $95, 29.018, 173.462$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $94, 14.364, 324.919$, and $60, 31.712, 0.577$ is the 20% darker color. If you saturate the color by 10%, you get $74, 42.690, 1.671$, and if you desaturate by 10%, it is $86, 21.273, 358.727$.

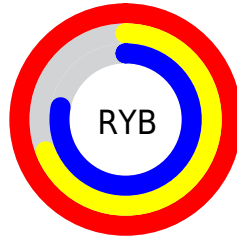
Distribution



Red (100%)

Green (69%)

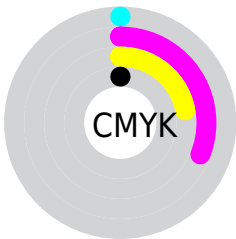
Blue (78%)



Red (100%)

Yellow (69%)

Blue (78%)

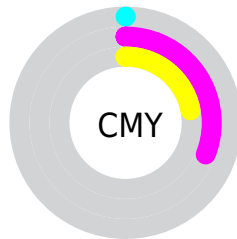


Cyan (0%)

Magenta (31%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 32.342, 0.409 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 80, 32.342, 0.409 by changing the saturation by 10% instead.

 80, 32.342, 0.409

 80, 32.342, 0.409

 100, 32.342, 0.409

 70, 32.342, 0.409

 60, 32.342, 0.409

 50, 32.342, 0.409

 40, 32.342, 0.409

 30, 32.342, 0.409

 20, 32.342, 0.409

 10, 32.342, 0.409

 0, 32.342, 0.409

 80, 32.342, 0.409

 80, 32.342, 0.409

74, 42.690, 1.671

86, 21.273,
358.727

68, 53.223, 3.637

93, 10.902,
357.571

64, 63.101, 6.098

60, 71.833, 9.221

99, 0.933, 356.027

57, 79.022, 13.179

100, 0.012,
296.813

55, 84.590, 18.077

54, 88.697, 23.125

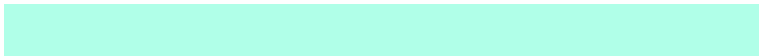
Harmonies

Complementary

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



80, 32.342, 0.409



95, 29.018, 173.462

Rectangle

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



80, 32.342, 0.409



80, 32.342, 50.409



80, 32.342, 180.409



80, 32.342, 230.409

Sweetspot

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



80, 31.935, 0.067



94, 8.922, 357.357



79, 46.028, 317.072



49, 6.219, 357.516



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 31.935, 0.067



76, 38.446, 1.000



83, 26.529, 39.238



50, 5.642, 357.412



40, 70.984, 22.033



10, 31.497, 13.342

Inverse Universe

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



80, 31.935, 0.067



76, 38.446, 1.000



91, 21.340, 220.965



50, 5.642, 357.412



40, 70.984, 22.033



10, 31.497, 13.342

Previews

White Background



This preview shows how the CIELCh color 80, 32.342, 0.409 looks on a white background.

Color Contrast Check

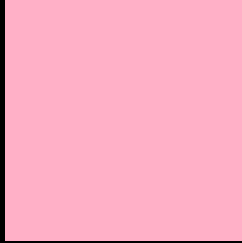
Large Text (above 18pt) WCAG AA × Fail

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 80, 32.342, 0.409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

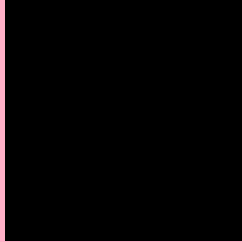
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 32.342, 0.409

Background



This preview shows how black text looks on a background with the CIELCh color 80, 32.342, 0.409.

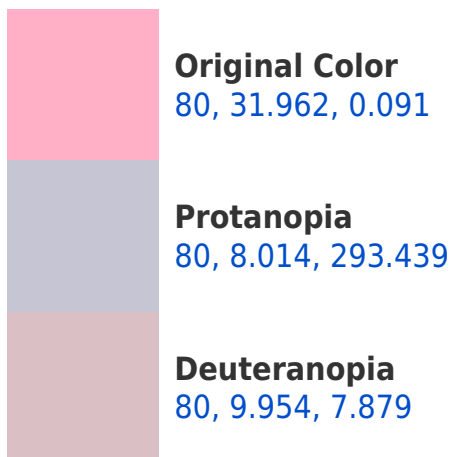


This preview shows how white text looks on a background with the CIELCh color 80, 32.342, 0.409.

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](#).

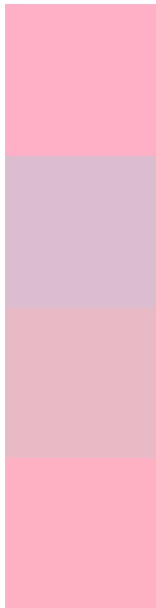
Dichromacy





Tritanopia
80, 30.254, 8.059

Trichromacy



Original Color
80, 31.962, 0.091

Protanomaly
80, 14.614, 339.660

Deuteranomaly
80, 17.867, 1.909

Tritanomaly
80, 30.496, 5.129

Monochromacy



Original Color
80, 31.962, 0.091

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 11.237, 358.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 32.342, 0.409 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, 176, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 199)  
}
```

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, 176, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 32.342, 0.409 is called "border". The border property can be set on classes, ids or directly on the HTML element.

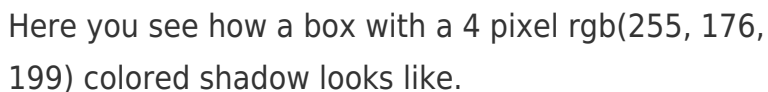
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 176, 199) }
```

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

```
.border{ border-color:rgb(255, 176, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 176, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 199); box-shadow:4px 4px 4px 4px rgb(255, 176, 199) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 32.342, 0.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 199) }
```

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

```
.background{ background-color: rgb(255,  
176, 199) }
```

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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