

# Converting Colors

CIELCh(82, 37.418, 2.834)

Have a look what the booklet for  
CIELCh(82, 37.418, 2.834) contains.

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# **Color**

**CIELCh(80, 31.892, 357.965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB1CA
RGB	255, 177, 202
RGB Percent	100%, 69%, 79%
CMY	0.0019, 0.3076, 0.2096
CMYK	0.00, 0.31, 0.21, 0.00
HSL	341°, 99%, 85%
HSV	341°, 31%, 100%
XYZ	67.3060, 56.6813, 62.9918
YIQ	203.1720, 38.4630, 24.3110

# Conversions

## Conversions Part 2

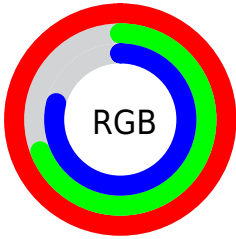
Format	Color
R <sub>Y</sub> B	255, 177, 202
Decimal	16757194
CIE Lab	80.00, 31.87, -1.13
CIE LCh	80, 31.892, 357.965
Yxy	56.6813, 0.3600, 0.3031
Android (android.graphics.Color)	4294947274 (0xFFFFB1CA)
YUV	203.1720, -0.5778, 45.4532
Hunter-Lab	75.2870, 27.8255, 3.0936

# Details

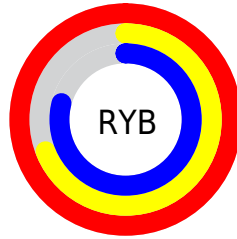
The CIELCh color **80, 31.892, 357.965** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **94, 29.295, 171.480**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 13.736, 324.896**, and **60, 31.613, 358.268** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.659, 359.522**, and if you desaturate by 10%, it is **86, 21.171, 356.660**.

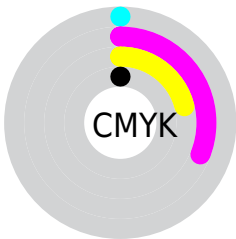
# Distribution



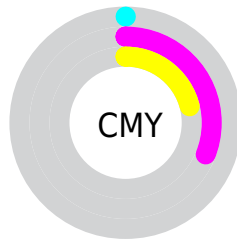
- Red (100%)
- Green (69%)
- Blue (79%)



- Red (100%)
- Yellow (69%)
- Blue (79%)



- Cyan (0%)
- Magenta (31%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.892, 357.965 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, 31.892, 357.965 by changing the saturation by 10% instead.





 80, 31.892,  
357.965


 80, 31.892,  
357.965


 100, 31.892,  
357.965


 70, 31.892,  
357.965

 60, 31.892,  
357.965

 50, 31.892,  
357.965

 40, 31.892,  
357.965

 30, 31.892,  
357.965

 20, 31.892,  
357.965

 10, 31.892,

357.965

0, 31.892, 357.965

80, 31.892,  
357.965

80, 31.892,  
357.965

74, 42.659,  
359.522

86, 21.171,  
356.660

69, 53.156, 1.416

93, 10.712,  
355.524

64, 62.936, 3.776

99, 0.628, 353.712

60, 71.490, 6.765

100, 0.166,  
203.397

57, 78.394, 10.563

55, 83.542, 15.304

54, 87.269, 20.462



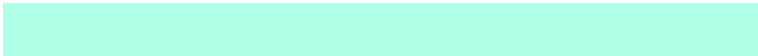
# Harmonies

# Complementary

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



80, 31.892, 357.965



94, 29.295, 171.480

# Rectangle

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



80, 31.892, 357.965



80, 31.892, 47.965



80, 31.892, 177.965



80, 31.892, 227.965

# Sweetspot

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



80, 31.889, 357.968



94, 9.055, 355.348



79, 45.170, 315.998



49, 6.310, 355.505



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, 31.889, 357.968



76, 38.820, 358.925



82, 26.738, 35.977



50, 5.726, 355.402



40, 70.023, 19.383



10, 31.385, 11.270



# Inverse Universe

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



80, 31.889, 357.968



76, 38.820, 358.925



92, 21.475, 216.578



50, 5.726, 355.402



40, 70.023, 19.383



10, 31.385, 11.270



# Previews

## White Background



This preview shows how the CIELCh color 80, 31.892, 357.965 looks on a white background.

## Color Contrast Check

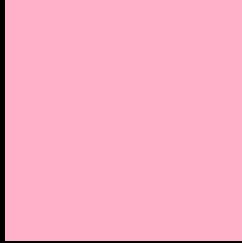
Large Text (above 18pt) WCAG AA × Fail

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, 31.892, 357.965 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, 31.892, 357.965

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.892, 357.965.



This preview shows how white text looks on a background with the CIELCh color 80, 31.892, 357.965.

# 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

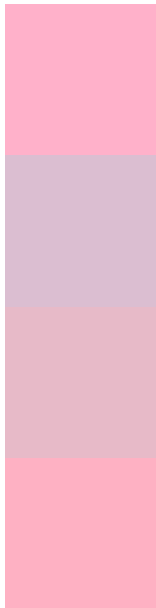






**Tritanopia**  
80, 29.471, 7.591

# Trichromacy



**Original Color**  
80, 31.892, 357.965

**Protanomaly**  
80, 14.678, 337.090

**Deuteranomaly**  
80, 18.360, 357.160

**Tritanomaly**  
80, 30.596, 4.164

# Monochromacy



**Original Color**  
80, 31.892, 357.965

**Achromatopsia**  
82, 0.010, 296.813

**Achromatomaly**  
81, 11.775, 356.478

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 31.892, 357.965 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, 177, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 202)  
}
```

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, 177, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 31.892, 357.965 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, 177, 202) }
```

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

```
.border{ border-color:rgb(255, 177, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 31.892, 357.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 202) }
```

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

```
.background{ background-color: rgb(255,  
177, 202) }
```

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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