

Converting Colors

CIELCh(80, 31.511, 1.523)

Have a look what the booklet for
CIELCh(80, 31.511, 1.523) contains.

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Color

CIELCh(80, 31.307, 1.608)

Conversions

Conversions Part 1

Format	Color
Hex	FFB1C6
RGB	255, 177, 198
RGB Percent	100%, 69%, 78%
CMY	0.0007, 0.3065, 0.2241
CMYK	0.00, 0.31, 0.22, 0.00
HSL	344°, 100%, 85%
HSV	344°, 31%, 100%
XYZ	67.0448, 56.6813, 60.7388
YIQ	202.7160, 39.7470, 23.0670

Conversions

Conversions Part 2

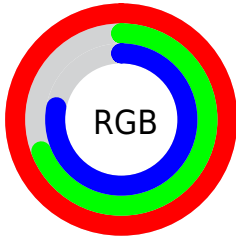
Format	Color
R_{YB}	255, 177, 198
Decimal	16757190
CIE _{Lab}	80.00, 31.29, 0.88
CIE _{LCh}	80, 31.307, 1.608
Yxy	56.6813, 0.3635, 0.3073
Android (android.graphics.Color)	4294947270 (0xFFFFB1C6)
YUV	202.7160, -2.3250, 45.8531
Hunter-Lab	75.2870, 27.2063, 4.8679

Details

The CIELCh color **80, 31.307, 1.608** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 28.253, 175.096**, 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, 31.048, 2.180** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.045, 3.229**, and if you desaturate by 10%, it is **86, 20.704, 0.264**.

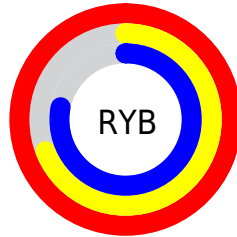
Distribution



Red (100%)

Green (69%)

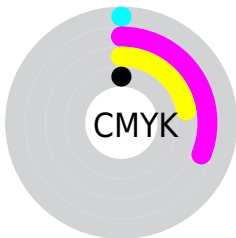
Blue (78%)



Red (100%)

Yellow (69%)

Blue (78%)

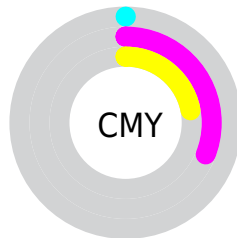


Cyan (0%)

Magenta (31%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 31.307, 1.608 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, 31.307, 1.608 by changing the saturation by 10% instead.

 80, 31.307, 1.608

 80, 31.307, 1.608

 100, 31.307, 1.608

 70, 31.307, 1.608

 60, 31.307, 1.608

 50, 31.307, 1.608

 40, 31.307, 1.608


 30, 31.307, 1.608

 20, 31.307, 1.608

 10, 31.307, 1.608

 0, 31.307, 1.608

 80, 31.307, 1.608

 80, 31.307, 1.608

74, 42.045, 3.229

86, 20.704, 0.264

69, 52.627, 5.220

93, 10.431,
359.104

64, 62.633, 7.716

100, 0.583,
357.181

60, 71.589, 10.885

57, 79.104, 14.894

100, 0.058,
210.891

55, 85.091, 19.828

54, 89.777, 25.072

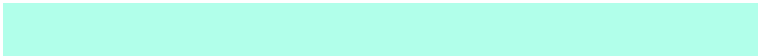
Harmonies

Complementary

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



80, 31.307, 1.608



95, 28.253, 175.096

Rectangle

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



80, 31.307, 1.608



80, 31.307, 51.608



80, 31.307, 181.608



80, 31.307, 231.608

Sweetspot

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



80, 31.304, 1.611



94, 8.829, 358.929



80, 45.630, 317.583



49, 6.155, 359.088



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, 31.304, 1.611



76, 38.198, 2.610



83, 25.928, 40.913



50, 5.583, 358.984



40, 71.827, 23.987



10, 31.601, 14.804

Inverse Universe

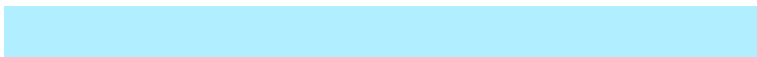
The Inverse Universe completely reimagines the original color for something new.



80, 31.304, 1.611



76, 38.198, 2.610



91, 20.978, 223.173



50, 5.583, 358.984



40, 71.827, 23.987



10, 31.601, 14.804

Previews

White Background



This preview shows how the CIELCh color 80, 31.307, 1.608 looks on a white background.

Color Contrast Check

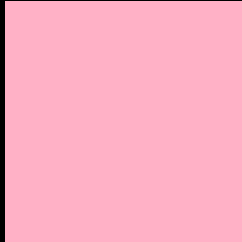
Large Text (above 18pt) WCAG AA × Fail

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, 31.307, 1.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

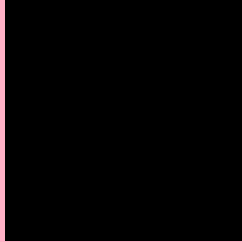
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 31.307, 1.608

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.307, 1.608.

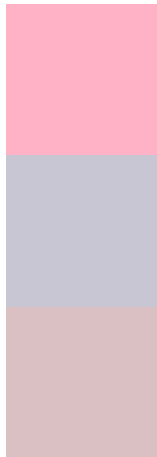


This preview shows how white text looks on a background with the CIELCh color 80, 31.307, 1.608.

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
80, 31.307, 1.608

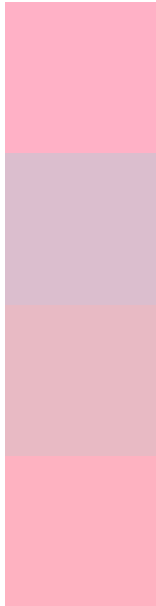
Protanopia
80, 6.411, 293.951

Deuteranopia
80, 10.247, 11.275



Tritanopia
80, 29.783, 8.818

Trichromacy



Original Color
80, 31.307, 1.608

Protanomaly
80, 13.660, 342.007

Deuteranomaly
80, 18.099, 3.951

Tritanomaly
80, 29.922, 6.825

Monochromacy



Original Color
80, 31.307, 1.608

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 11.586, 358.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.307, 1.608 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.307, 1.608 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, 198) }
```

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

```
.border{ border-color:rgb(255, 177, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.307, 1.608 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
177, 198) }
```

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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