

Converting Colors

CIELCh(87, 55.245, 14.807)

Have a look what the booklet for
CIELCh(87, 55.245, 14.807) contains.

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Color

CIELCh(80, 31.856, 4.047)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0C3
RGB	255, 176, 195
RGB Percent	100%, 69%, 76%
CMY	0.0000, 0.3084, 0.2339
CMYK	0.00, 0.31, 0.23, 0.00
HSL	346°, 100%, 85%
HSV	346°, 31%, 100%
XYZ	67.2628, 56.6813, 59.2354
YIQ	201.7870, 40.9850, 22.6570

Conversions

Conversions Part 2

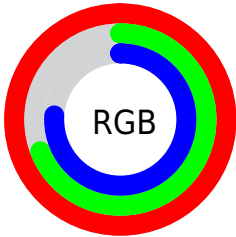
Format	Color
R_{YB}	255, 176, 195
Decimal	16756931
CIE _{Lab}	80.00, 31.78, 2.25
CIE _{LCh}	80, 31.856, 4.047
Yxy	56.6813, 0.3672, 0.3094
Android (android.graphics.Color)	4294947011 (0xFFFFB0C3)
YUV	201.7870, -3.3460, 46.6678
Hunter-Lab	75.2870, 27.7232, 6.0518

Details

The CIELCh color **80, 31.856, 4.047** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 27.953, 177.119**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 12.735, 330.159**, and **60, 31.247, 4.519** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.073, 5.316**, and if you desaturate by 10%, it is **86, 20.756, 2.299**.

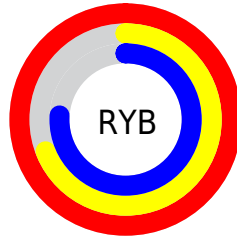
Distribution



Red (100%)

Green (69%)

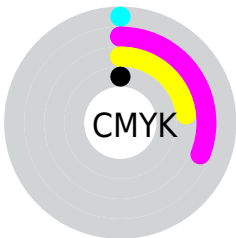
Blue (76%)



Red (100%)

Yellow (69%)

Blue (76%)

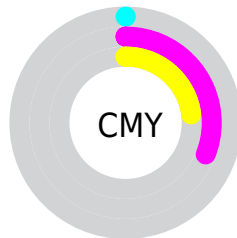


Cyan (0%)

Magenta (31%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 31.856, 4.047 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, 31.856, 4.047 by changing the saturation by 10% instead.

 80, 31.856, 4.047

 80, 31.856, 4.047

 100, 31.856, 4.047

 70, 31.856, 4.047

 60, 31.856, 4.047

 50, 31.856, 4.047


 40, 31.856, 4.047

 30, 31.856, 4.047

 20, 31.856, 4.047

 10, 31.856, 4.047

 0, 31.856, 4.047

 80, 31.856, 4.047

 80, 31.856, 4.047

74, 42.073, 5.316

86, 20.756, 2.299

68, 52.721, 7.358

93, 10.553, 1.131

63, 62.863, 9.928

99, 0.804, 359.469

59, 72.040, 13.192

100, 0.012,
296.813

56, 79.885, 17.305

55, 86.318, 22.314

54, 91.363, 27.391

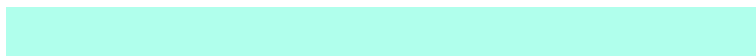
Harmonies

Complementary

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



80, 31.856, 4.047



95, 27.953, 177.119

Rectangle

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



80, 31.856, 4.047



80, 31.856, 54.047



80, 31.856, 184.047



80, 31.856, 234.047

Sweetspot

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



80, 31.322, 3.665



94, 8.722, 0.929



80, 46.343, 318.640



49, 6.082, 1.089



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, 31.322, 3.665



76, 37.937, 4.642



84, 25.744, 44.361



50, 5.516, 0.984



40, 72.992, 26.320



10, 31.746, 16.485

Inverse Universe

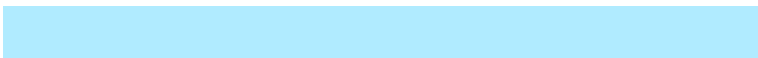
The Inverse Universe completely reimagines the original color for something new.



80, 31.322, 3.665



76, 37.937, 4.642



90, 20.956, 227.754



50, 5.516, 0.984



40, 72.992, 26.320



10, 31.746, 16.485

Previews

White Background



This preview shows how the CIELCh color 80, 31.856, 4.047 looks on a white background.

Color Contrast Check

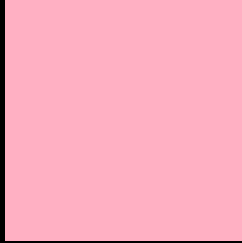
Large Text (above 18pt) WCAG AA × Fail

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, 31.856, 4.047 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, 31.856, 4.047

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.856, 4.047.



This preview shows how white text looks on a background with the CIELCh color 80, 31.856, 4.047.

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, 31.461, 3.766

Protanopia

80, 5.395, 298.323

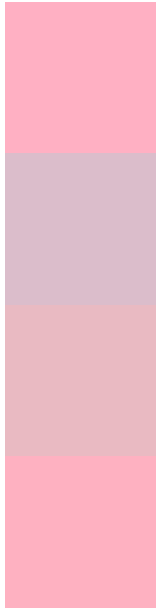
Deuteranopia

80, 10.557, 17.332



Tritanopia
80, 30.254, 8.059

Trichromacy



Original Color
80, 31.461, 3.766

Protanomaly
79, 13.366, 346.663

Deuteranomaly
80, 18.260, 7.560

Tritanomaly
80, 30.406, 6.100

Monochromacy



Original Color
80, 31.461, 3.766

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 11.064, 0.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.856, 4.047 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.856, 4.047 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, 195) }
```

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

```
.border{ border-color:rgb(255, 176, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.856, 4.047 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, 195) }
```

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

```
.background{ background-color: rgb(255,  
176, 195) }
```

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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