

Converting Colors

CIELCh(81, 46.630, 67.696)

Have a look what the booklet for
CIELCh(81, 46.630, 67.696) contains.

CIELCh(81, 46.200, 68.017)	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(81, 46.200, 68.017)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB79
RGB	255, 187, 121
RGB Percent	100%, 73%, 47%
CMY	0.0000, 0.2649, 0.5238
CMYK	0.00, 0.26, 0.52, 0.00
HSL	30°, 100%, 74%
HSV	30°, 52%, 100%
XYZ	62.7605, 58.4711, 26.2020
YIQ	199.8080, 61.7140, -6.1100

Conversions

Conversions Part 2

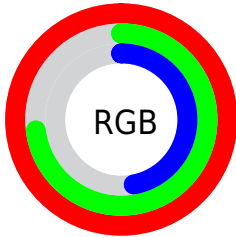
Format	Color
RYB	255, 251, 121
Decimal	16759673
CIELab	81.00, 17.29, 42.84
CIELCh	81, 46.200, 68.017
Yxy	58.4711, 0.4257, 0.3966
Android (android.graphics.Color)	4294949753 (0xFFFFBB79)
YUV	199.8080, -38.8523, 48.4034
Hunter-Lab	76.4664, 12.6893, 33.2101

Details

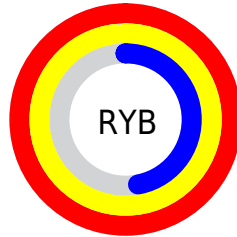
The CIELCh color **81, 46.200, 68.017** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **75, 39.239, 265.127**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 35.298, 99.769**, and **61, 45.952, 68.179** is the 20% darker color. If you saturate the color by 10%, you get **78, 55.932, 66.895**, and if you desaturate by 10%, it is **84, 36.421, 69.490**.

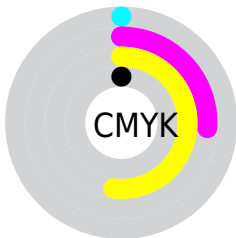
Distribution



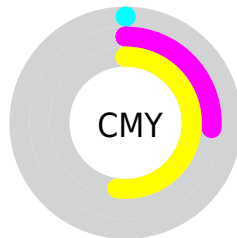
- Red (100%)
- Green (73%)
- Blue (47%)



- Red (100%)
- Yellow (98%)
- Blue (47%)



- Cyan (0%)
- Magenta (26%)
- Yellow (52%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 46.200, 68.017 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 81, 46.200, 68.017 by changing the saturation by 10% instead.

 81, 46.200, 68.017

 81, 46.200, 68.017

 100, 46.200,
68.017

 71, 46.200, 68.017

 61, 46.200, 68.017

 51, 46.200, 68.017

 41, 46.200, 68.017

 31, 46.200, 68.017

 21, 46.200, 68.017

 11, 46.200, 68.017

 1, 46.200, 68.017

 0, 46.200, 68.017

81, 46.200, 68.017

81, 46.200, 68.017

78, 55.932, 66.895

84, 36.421, 69.490

74, 65.724, 65.472

88, 27.160, 70.755

71, 74.777, 63.782

92, 18.317, 72.008

69, 81.977, 61.519

95, 9.890, 73.236

67, 85.815, 59.315

99, 1.854, 74.269

100, 0.012,
296.813

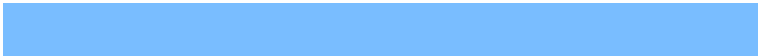
Harmonies

Complementary

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



81, 46.200, 68.017



75, 39.239, 265.127

Rectangle

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



81, 46.200, 68.017



81, 46.200, 118.017



81, 46.200, 248.017



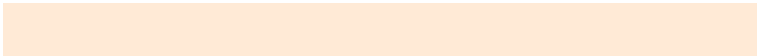
81, 46.200, 298.017

Sweetspot

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



81, 46.057, 68.211



94, 12.891, 72.797



69, 59.409, 348.443



49, 8.747, 72.544



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 46.057, 68.211



77, 56.542, 66.812



97, 64.208, 104.423



51, 4.509, 73.578



51, 68.856, 60.026



16, 27.015, 61.258

Inverse Universe

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



75, 39.239, 265.127



70, 46.705, 268.599



58, 74.317, 297.509



51, 4.405, 256.101



42, 57.644, 283.621



12, 23.489, 277.021

Previews

White Background



This preview shows how the CIELCh color 81, 46.200, 68.017 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 81, 46.200, 68.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

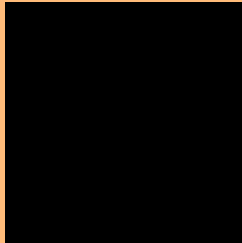
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 46.200, 68.017

Background



This preview shows how black text looks on a background with the CIELCh color 81, 46.200, 68.017.



This preview shows how white text looks on a background with the CIELCh color 81, 46.200, 68.017.

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


81, 46.200, 68.017

Protanopia

81, 39.397, 95.700

Deuteranopia

81, 44.358, 76.745



Tritanopia
81, 28.878, 9.365

Trichromacy



Original Color
81, 46.200, 68.017

Protanomaly
81, 40.451, 84.752

Deuteranomaly
81, 44.584, 73.160

Tritanomaly
81, 30.365, 37.554

Monochromacy



Original Color
81, 46.200, 68.017

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 16.120, 71.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 46.200, 68.017 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, 187, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 121)  
}
```

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, 187, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 46.200, 68.017 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, 187, 121) }
```

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

```
.border{ border-color:rgb(255, 187, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 187, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 187, 121); box-shadow:4px 4px 4px 4px rgb(255, 187, 121) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 46.200, 68.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 121) }
```

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

```
.background{ background-color: rgb(255,  
187, 121) }
```

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