

Converting Colors

CIELCh(83, 53.590, 62.687)

Have a look what the booklet for
CIELCh(83, 53.590, 62.687) contains.

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Color

CIELCh(81, 47.474, 68.957)

Conversions

Conversions Part 1

Format	Color
Hex	FFBC77
RGB	255, 188, 119
RGB Percent	100%, 74%, 47%
CMY	0.0000, 0.2645, 0.5352
CMYK	0.00, 0.26, 0.54, 0.00
HSL	30°, 100%, 73%
HSV	30°, 54%, 100%
XYZ	62.6534, 58.4711, 25.2860
YIQ	200.1670, 62.0810, -7.2550

Conversions

Conversions Part 2

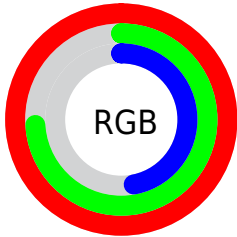
Format	Color
R _Y B	251, 255, 119
Decimal	16759927
CIE Lab	81.00, 17.05, 44.31
CIE LCh	81, 47.474, 68.957
Yxy	58.4711, 0.4279, 0.3994
Android (android.graphics.Color)	4294950007 (0xFFFFBC77)
YUV	200.1670, -40.0153, 48.0885
Hunter-Lab	76.4664, 12.4394, 33.9204

Details

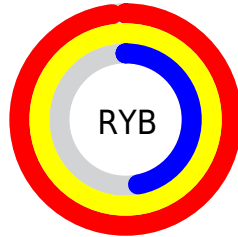
The CIELCh color **81, 47.474, 68.957** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **74, 40.655, 266.760**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 36.702, 100.559**, and **61, 46.880, 69.525** is the 20% darker color. If you saturate the color by 10%, you get **78, 57.133, 67.836**, and if you desaturate by 10%, it is **84, 37.647, 70.511**.

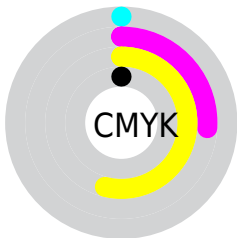
Distribution



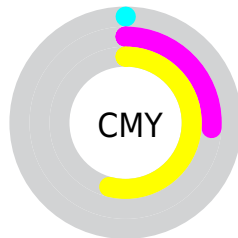
- Red (100%)
- Green (74%)
- Blue (47%)



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



- Cyan (0%)
- Magenta (26%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 47.474, 68.957 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, 47.474, 68.957 by changing the saturation by 10% instead.

 81, 47.474, 68.957

 81, 47.474, 68.957

 100, 47.474,
68.957

 71, 47.474, 68.957

 61, 47.474, 68.957

 51, 47.474, 68.957

 41, 47.474, 68.957

 31, 47.474, 68.957

 21, 47.474, 68.957

 11, 47.474, 68.957

 1, 47.474, 68.957

 0, 47.474, 68.957

81, 47.474, 68.957

81, 47.474, 68.957

78, 57.133, 67.836

84, 37.647, 70.511

75, 66.791, 66.350

88, 28.335, 71.804

72, 75.563, 64.570

91, 19.420, 73.081

69, 82.300, 62.179

95, 10.905, 74.332

67, 85.382, 60.267

99, 2.770, 75.460

100, 0.012,
296.813

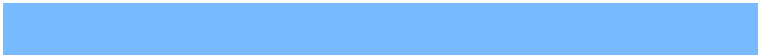
Harmonies

Complementary

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



81, 47.474, 68.957



74, 40.655, 266.760

Rectangle

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



81, 47.474, 68.957



81, 47.474, 118.957



81, 47.474, 248.957



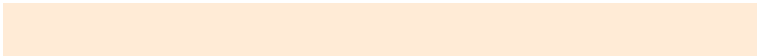
81, 47.474, 298.957

Sweetspot

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



81, 47.299, 69.197



94, 12.980, 74.026



68, 60.044, 349.662



49, 8.805, 73.769



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, 47.299, 69.197



78, 57.604, 67.769



98, 66.377, 105.099



51, 4.543, 74.818



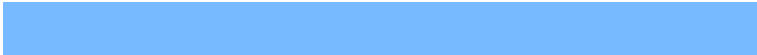
51, 68.529, 60.976



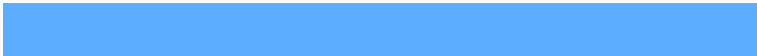
16, 27.009, 62.411

Inverse Universe

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



74, 40.655, 266.760



69, 48.213, 270.235



56, 77.497, 298.333



51, 4.446, 257.362



41, 58.995, 284.755



12, 23.985, 278.247

Previews

White Background



This preview shows how the CIELCh color 81, 47.474, 68.957 looks on a white background.

Color Contrast Check

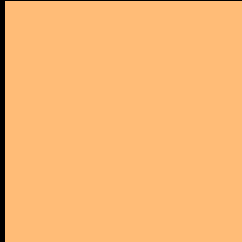
Large Text (above 18pt) WCAG AA × Fail

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, 47.474, 68.957 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, 47.474, 68.957

Background



This preview shows how black text looks on a background with the CIELCh color 81, 47.474, 68.957.



This preview shows how white text looks on a background with the CIELCh color 81, 47.474, 68.957.

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
81, 28.878, 9.365

Trichromacy



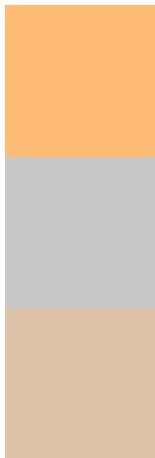
Original Color
81, 47.134, 69.371

Protanomaly
81, 42.057, 84.793

Deuteranomaly
81, 46.170, 73.563

Tritanomaly
81, 30.583, 38.444

Monochromacy



Original Color
81, 47.134, 69.371

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 16.555, 72.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 47.474, 68.957 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, 188, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 119)  
}
```

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, 188, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 47.474, 68.957 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, 188, 119) }
```

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

```
.border{ border-color:rgb(255, 188, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 47.474, 68.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 119) }
```

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

```
.background{ background-color: rgb(255,  
188, 119) }
```

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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