

Converting Colors

CIELCh(85, 62.939, 59.661)

Have a look what the booklet for
CIELCh(85, 62.939, 59.661) contains.

| | |
|--|----|
| CIELCh(81, 50.896, 71.177) | 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, 50.896, 71.177)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFBC6F |
| RGB | 255, 188, 111 |
| RGB Percent | 100%, 74%, 44% |
| CMY | 0.0000, 0.2634, 0.5655 |
| CMYK | 0.00, 0.26, 0.57, 0.00 |
| HSL | 32°, 100%, 72% |
| HSV | 32°, 57%, 100% |
| XYZ | 62.3839, 58.4711, 22.9746 |
| YIQ | 199.2550, 64.6490, -9.7430 |

Conversions

Conversions Part 2

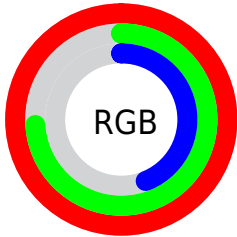
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 236, 255, 111 |
| Decimal | 16759919 |
| CIE Lab | 81.00, 16.42, 48.17 |
| CIE LCh | 81, 50.896, 71.177 |
| Yxy | 58.4711, 0.4337, 0.4065 |
| Android (android.graphics.Color) | 4294949999 (0xFFFFBC6F) |
| YUV | 199.2550, -43.5097, 48.8884 |
| Hunter-Lab | 76.4664, 11.8101, 35.7126 |

Details

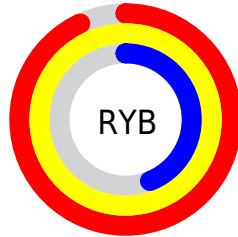
The CIELCh color **81, 50.896, 71.177** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 44.576, 270.728**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 40.633, 100.846**, and **61, 50.729, 71.788** is the 20% darker color. If you saturate the color by 10%, you get **78, 60.332, 70.063**, and if you desaturate by 10%, it is **84, 40.972, 72.920**.

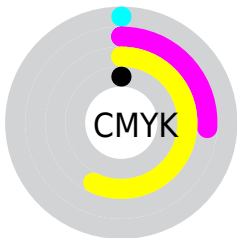
Distribution



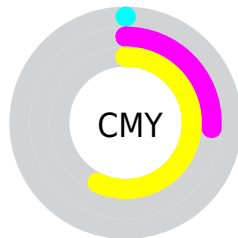
- Red (100%)
- Green (74%)
- Blue (44%)



- Red (93%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (26%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 50.896, 71.177 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, 50.896, 71.177 by changing the saturation by 10% instead.

81, 50.896, 71.177

81, 50.896, 71.177

100, 50.896,
71.177

71, 50.896, 71.177

61, 50.896, 71.177

51, 50.896, 71.177

41, 50.896, 71.177

31, 50.896, 71.177

21, 50.896, 71.177

11, 50.896, 71.177

1, 50.896, 71.177

0, 50.896, 71.177

81, 50.896, 71.177

81, 50.896, 71.177

78, 60.332, 70.063

84, 40.972, 72.920

75, 69.569, 68.426

87, 31.539, 74.274

72, 77.501, 66.420

91, 22.439, 75.603

70, 82.957, 63.718

94, 13.698, 76.903

69, 84.428, 62.694

98, 5.309, 78.138

100, 0.012,
296.813

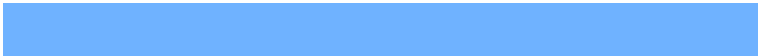
Harmonies

Complementary

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



81, 50.896, 71.177



71, 44.576, 270.728

Rectangle

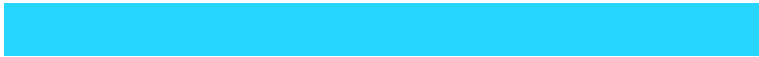
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 50.896, 71.177



81, 50.896, 121.177



81, 50.896, 251.177



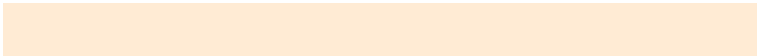
81, 50.896, 301.177

Sweetspot

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



81, 50.644, 71.529



94, 14.080, 76.846



66, 62.041, 352.355



49, 9.458, 76.587



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, 50.644, 71.529



77, 61.710, 69.840



97, 69.687, 106.464



51, 4.635, 77.787



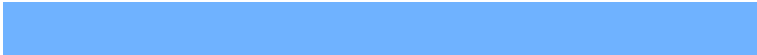
53, 67.811, 63.392



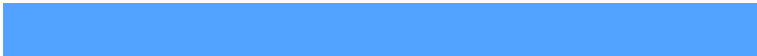
17, 27.041, 65.268

Inverse Universe

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



71, 44.576, 270.728



66, 53.388, 274.676



54, 82.285, 299.706



50, 4.556, 260.365



39, 62.400, 287.365



11, 25.246, 281.089

Previews

White Background



This preview shows how the CIELCh color 81, 50.896, 71.177 looks on a white background.

Color Contrast Check

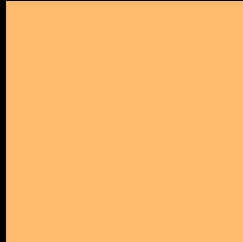
Large Text (above 18pt) WCAG AA × Fail

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, 50.896, 71.177 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, 50.896, 71.177

Background



This preview shows how black text looks on a background with the CIELCh color 81, 50.896, 71.177.



This preview shows how white text looks on a background with the CIELCh color 81, 50.896, 71.177.

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, 50.569, 71.585

Protanopia

81, 44.976, 95.355

Deuteranopia

81, 49.338, 78.124



Tritanopia
81, 28.878, 9.365

Trichromacy



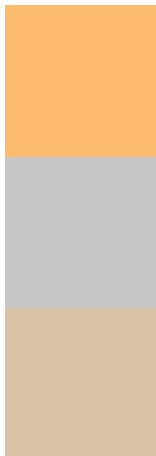
Original Color
81, 50.569, 71.585

Protanomaly
81, 45.855, 86.131

Deuteranomaly
81, 49.714, 75.532

Tritanomaly
81, 31.285, 41.032

Monochromacy



Original Color
81, 50.569, 71.585

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 17.670, 76.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 50.896, 71.177 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 50.896, 71.177 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, 111) }
```

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

```
.border{ border-color:rgb(255, 188, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 188, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 188, 111); box-shadow:4px 4px 4px 4px rgb(255, 188, 111) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 50.896, 71.177 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
188, 111) }
```

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