

Converting Colors

CIELCh(81, 46.085, 67.015)

Have a look what the booklet for
CIELCh(81, 46.085, 67.015) contains.

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Color

CIELCh(81, 45.778, 67.690)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB7A
RGB	255, 187, 122
RGB Percent	100%, 73%, 48%
CMY	0.0000, 0.2651, 0.5201
CMYK	0.00, 0.27, 0.52, 0.00
HSL	29°, 100%, 74%
HSV	29°, 52%, 100%
XYZ	62.7968, 58.4711, 26.5127
YIQ	199.9220, 61.3930, -5.7990

Conversions

Conversions Part 2

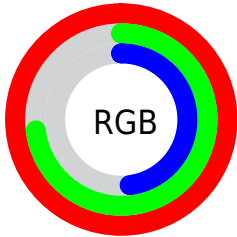
Format	Color
R _Y B	255, 249, 122
Decimal	16759674
CIE Lab	81.00, 17.38, 42.35
CIE LCh	81, 45.778, 67.690
Yxy	58.4711, 0.4249, 0.3957
Android (android.graphics.Color)	4294949754 (0xFFFFBB7A)
YUV	199.9220, -38.4155, 48.3034
Hunter-Lab	76.4664, 12.7742, 32.9692

Details

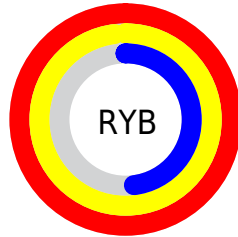
The CIELCh color **81, 45.778, 67.690** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **75, 38.776, 264.565**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 34.803, 99.708**, and **61, 45.519, 67.869** is the 20% darker color. If you saturate the color by 10%, you get **78, 55.533, 66.568**, and if you desaturate by 10%, it is **84, 36.016, 69.135**.

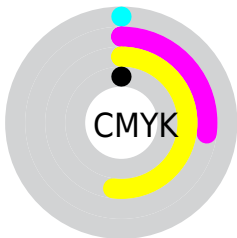
Distribution



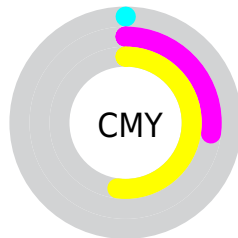
- Red (100%)
- Green (73%)
- Blue (48%)



- Red (100%)
- Yellow (98%)
- Blue (48%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 45.778, 67.690 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, 45.778, 67.690 by changing the saturation by 10% instead.

 81, 45.778, 67.690

 81, 45.778, 67.690

 100, 45.778,
67.690

 71, 45.778, 67.690

 61, 45.778, 67.690

 51, 45.778, 67.690

 41, 45.778, 67.690

 31, 45.778, 67.690

 21, 45.778, 67.690

 11, 45.778, 67.690

 1, 45.778, 67.690

 0, 45.778, 67.690

81, 45.778, 67.690

81, 45.778, 67.690

78, 55.533, 66.568

84, 36.016, 69.135

74, 65.367, 65.166

88, 26.773, 70.390

71, 74.510, 63.507

92, 17.955, 71.634

69, 81.861, 61.288

95, 9.557, 72.854

66, 85.969, 58.993

99, 1.553, 73.833

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, 45.778, 67.690



75, 38.776, 264.565

Rectangle

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



81, 45.778, 67.690



81, 45.778, 117.690



81, 45.778, 247.690



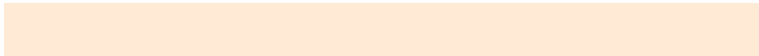
81, 45.778, 297.690

Sweetspot

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



81, 45.647, 67.869



94, 12.862, 72.372



69, 59.025, 348.385



49, 8.728, 72.121



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, 45.647, 67.869



78, 55.526, 66.569



97, 63.791, 104.457



51, 4.498, 73.149



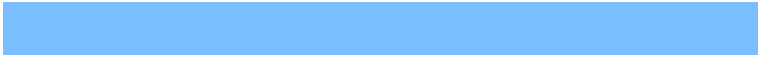
51, 68.973, 59.704



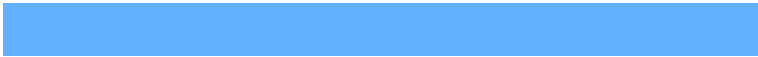
16, 27.020, 60.864

Inverse Universe

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



75, 38.776, 264.565



70, 45.749, 267.800



58, 73.725, 297.427



51, 4.391, 255.664



42, 57.186, 283.222



12, 23.322, 276.592

Previews

White Background



This preview shows how the CIELCh color 81, 45.778, 67.690 looks on a white background.

Color Contrast Check

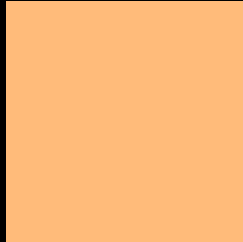
Large Text (above 18pt) WCAG AA × Fail

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, 45.778, 67.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

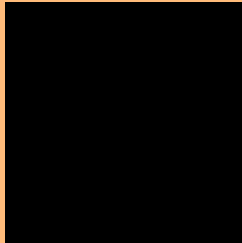
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 45.778, 67.690

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.778, 67.690.

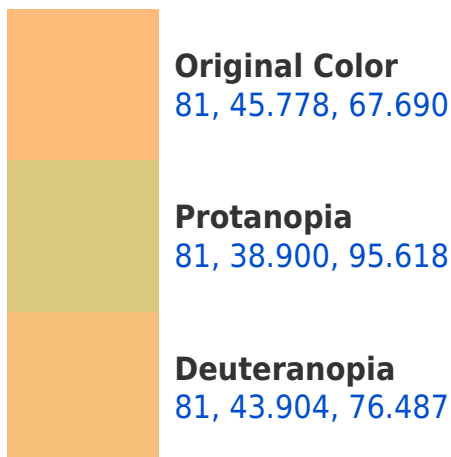


This preview shows how white text looks on a background with the CIELCh color 81, 45.778, 67.690.

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



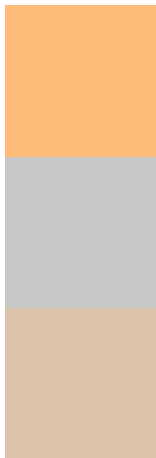
Original Color
81, 45.778, 67.690

Protanomaly
81, 39.973, 84.549

Deuteranomaly
81, 44.142, 72.868

Tritanomaly
81, 30.365, 37.554

Monochromacy



Original Color
81, 45.778, 67.690

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 15.690, 70.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.778, 67.690 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.778, 67.690 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, 122) }
```

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

```
.border{ border-color:rgb(255, 187, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.778, 67.690 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
187, 122) }
```

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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