

Converting Colors

CIELCh(81, 68.381, 78.628)

Have a look what the booklet for
CIELCh(81, 68.381, 78.628) contains.

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Color

CIELCh(81, 68.014, 79.021)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE46
RGB	255, 190, 70
RGB Percent	100%, 75%, 27%
CMY	0.0000, 0.2565, 0.7271
CMYK	0.00, 0.26, 0.73, 0.00
HSL	39°, 100%, 64%
HSV	39°, 73%, 100%
XYZ	60.9020, 58.4711, 13.8041
YIQ	195.7550, 77.2600, -23.5400

Conversions

Conversions Part 2

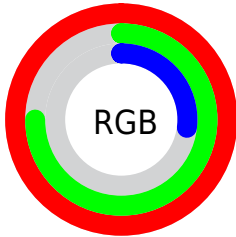
Format	Color
RYB	170, 255, 70
Decimal	16760390
CIELab	81.00, 12.95, 66.77
CIELCh	81, 68.014, 79.021
Yxy	58.4711, 0.4573, 0.4390
Android (android.graphics.Color)	4294950470 (0xFFFFBE46)
YUV	195.7550, -61.9972, 51.9579
Hunter-Lab	76.4664, 8.3509, 42.8231

Details

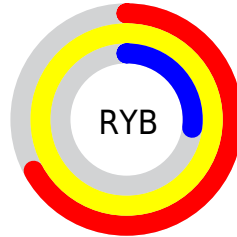
The CIELCh color **81, 68.014, 79.021** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **58, 68.434, 286.090**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 59.894, 101.958**, and **61, 67.495, 79.269** is the 20% darker color. If you saturate the color by 10%, you get **79, 75.337, 77.384**, and if you desaturate by 10%, it is **83, 59.028, 80.870**.

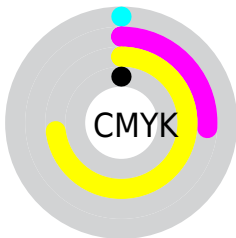
Distribution



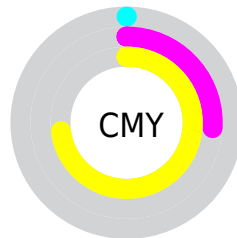
- Red (100%)
- Green (75%)
- Blue (27%)



- Red (67%)
- Yellow (100%)
- Blue (27%)



- Cyan (0%)
- Magenta (26%)
- Yellow (73%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 68.014, 79.021 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, 68.014, 79.021 by changing the saturation by 10% instead.

81, 68.014, 79.021

81, 68.014, 79.021

100, 68.014,
79.021

71, 68.014, 79.021

61, 68.014, 79.021

51, 68.014, 79.021

41, 68.014, 79.021

31, 68.014, 79.021

21, 68.014, 79.021

11, 68.014, 79.021

1, 68.014, 79.021

0, 68.014, 79.021

81, 68.014, 79.021

81, 68.014, 79.021

79, 75.337, 77.384

83, 59.028, 80.870

76, 80.428, 75.117

86, 49.553, 82.384

75, 82.504, 73.149

88, 39.880, 83.830

91, 30.244, 85.231

94, 20.759, 86.588

96, 11.474, 87.898

99, 2.406, 89.074

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, 68.014, 79.021



58, 68.434, 286.090

Rectangle

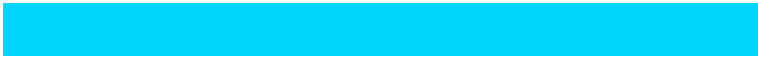
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 68.014, 79.021



81, 68.014, 129.021



81, 68.014, 259.021



81, 68.014, 309.021

Sweetspot

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



81, 67.870, 79.239



94, 20.097, 86.683



59, 73.420, 3.763



49, 13.547, 86.320



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, 67.870, 79.239



78, 77.873, 76.475



96, 85.529, 110.546



52, 5.113, 88.302



58, 66.445, 73.728



19, 27.850, 76.483

Inverse Universe

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



58, 68.434, 286.090



51, 83.181, 291.401



44, 106.823, 304.484



50, 5.101, 270.839



34, 76.538, 295.569



9, 30.698, 290.261

Previews

White Background



This preview shows how the CIELCh color 81, 68.014, 79.021 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, 68.014, 79.021 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, 68.014, 79.021

Background



This preview shows how black text looks on a background with the CIELCh color 81, 68.014, 79.021.



This preview shows how white text looks on a background with the CIELCh color 81, 68.014, 79.021.

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, 67.777, 79.392

Protanopia

81, 64.892, 95.490

Deuteranopia

81, 67.675, 80.939



Tritanopia
81, 28.878, 9.365

Trichromacy



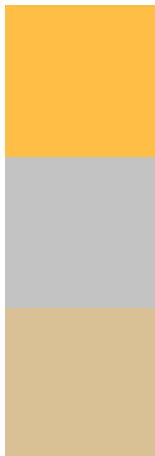
Original Color
81, 67.777, 79.392

Protanomaly
81, 65.044, 89.162

Deuteranomaly
81, 67.730, 80.141

Tritanomaly
81, 35.610, 53.039

Monochromacy



Original Color
81, 67.777, 79.392

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 25.374, 85.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 68.014, 79.021 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, 190, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 70)  
}
```

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, 190, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 68.014, 79.021 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, 190, 70) }
```

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

```
.border{ border-color:rgb(255, 190, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 68.014, 79.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 70) }
```

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

```
.background{ background-color: rgb(255,  
190, 70) }
```

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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