

Converting Colors

CIELCh(81, 65.730, 78.389)

Have a look what the booklet for
CIELCh(81, 65.730, 78.389) contains.

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Color

CIELCh(81, 65.730, 78.389)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD4B
RGB	255, 189, 75
RGB Percent	100%, 74%, 29%
CMY	0.0000, 0.2570, 0.7040
CMYK	0.00, 0.26, 0.70, 0.00
HSL	38°, 100%, 65%
HSV	38°, 70%, 100%
XYZ	61.0190, 58.4711, 14.8103
YIQ	195.7380, 75.9300, -21.4620

Conversions

Conversions Part 2

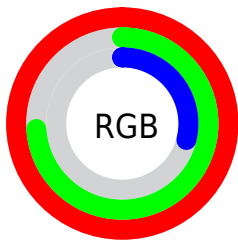
Format	Color
RYB	179, 255, 75
Decimal	16760139
CIELab	81.00, 13.23, 64.38
CIELCh	81, 65.730, 78.389
Yxy	58.4711, 0.4543, 0.4354
Android (android.graphics.Color)	4294950219 (0xFFFFBD4B)
YUV	195.7380, -59.5238, 51.9728
Hunter-Lab	76.4664, 8.6242, 42.0429

Details

The CIELCh color **81, 65.730, 78.389** 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 **60, 64.865, 284.372**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 57.682, 101.588**, and **61, 65.808, 78.386** is the 20% darker color. If you saturate the color by 10%, you get **79, 73.569, 76.761**, and if you desaturate by 10%, it is **83, 56.528, 80.172**.

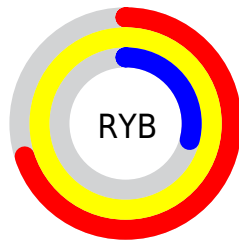
Distribution



Red (100%)

Green (74%)

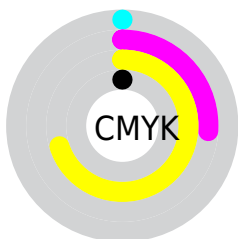
Blue (29%)



Red (70%)

Yellow (100%)

Blue (29%)

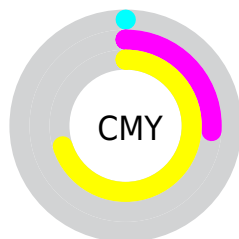


Cyan (0%)

Magenta (26%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 65.730, 78.389 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, 65.730, 78.389 by changing the saturation by 10% instead.

81, 65.730, 78.389

81, 65.730, 78.389

100, 65.730,
78.389

71, 65.730, 78.389

61, 65.730, 78.389

51, 65.730, 78.389

41, 65.730, 78.389

31, 65.730, 78.389

21, 65.730, 78.389

11, 65.730, 78.389

1, 65.730, 78.389

0, 65.730, 78.389

81, 65.730, 78.389

81, 65.730, 78.389

79, 73.569, 76.761

83, 56.528, 80.172

76, 79.426, 74.576

86, 46.975, 81.672

74, 82.553, 71.981

89, 37.325, 83.111

91, 27.772, 84.505

94, 18.405, 85.856

97, 9.261, 87.156

100, 0.346, 87.545

100, 0.012,
296.813

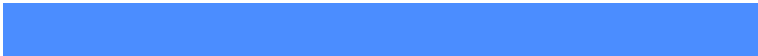
Harmonies

Complementary

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



81, 65.730, 78.389



60, 64.865, 284.372

Rectangle

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



81, 65.730, 78.389



81, 65.730, 128.389



81, 65.730, 258.389



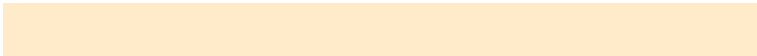
81, 65.730, 308.389

Sweetspot

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



81, 65.612, 78.567



94, 18.957, 85.777



60, 71.749, 3.024



49, 12.876, 85.408



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, 65.612, 78.567



78, 75.973, 76.031



96, 83.621, 110.608



52, 5.054, 87.269



57, 66.468, 72.578



19, 27.711, 75.306

Inverse Universe

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



60, 64.865, 284.372



53, 78.453, 289.420



46, 103.465, 304.147



50, 5.034, 269.820



34, 74.998, 294.828



9, 30.085, 289.413

Previews

White Background



This preview shows how the CIELCh color 81, 65.730, 78.389 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, 65.730, 78.389 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, 65.730, 78.389

Background



This preview shows how black text looks on a background with the CIELCh color 81, 65.730, 78.389.



This preview shows how white text looks on a background with the CIELCh color 81, 65.730, 78.389.

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, 65.730, 78.389

Protanopia

81, 62.390, 95.785

Deuteranopia

81, 65.173, 80.711



Tritanopia
81, 28.878, 9.365

Trichromacy



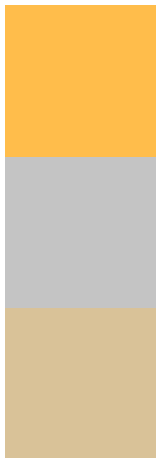
Original Color
81, 65.730, 78.389

Protanomaly
81, 62.506, 89.223

Deuteranomaly
81, 65.224, 79.882

Tritanomaly
81, 34.938, 51.764

Monochromacy



Original Color
81, 65.730, 78.389

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 24.199, 85.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 65.730, 78.389 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, 189, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 75)  
}
```

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, 189, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 65.730, 78.389 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, 189, 75) }
```

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

```
.border{ border-color:rgb(255, 189, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 65.730, 78.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 75) }
```

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

```
.background{ background-color: rgb(255,  
189, 75) }
```

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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