

Converting Colors

CIELCh(88, 72.814, 55.025)

Have a look what the booklet for
CIELCh(88, 72.814, 55.025) contains.

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Color

CIELCh(81, 51.755, 71.673)

Conversions

Conversions Part 1

Format	Color
Hex	FFBC6D
RGB	255, 188, 109
RGB Percent	100%, 74%, 43%
CMY	0.0000, 0.2631, 0.5731
CMYK	0.00, 0.26, 0.57, 0.00
HSL	32°, 100%, 71%
HSV	32°, 57%, 100%
XYZ	62.3203, 58.4711, 22.4257
YIQ	199.0270, 65.2910, -10.3650

Conversions

Conversions Part 2

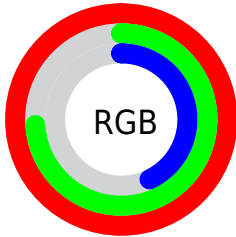
Format	Color
R _Y B	233, 255, 109
Decimal	16759917
CIE Lab	81.00, 16.27, 49.13
CIE LCh	81, 51.755, 71.673
Yxy	58.4711, 0.4351, 0.4083
Android (android.graphics.Color)	4294949997 (0xFFFFBC6D)
YUV	199.0270, -44.3833, 49.0883
Hunter-Lab	76.4664, 11.6618, 36.1382

Details

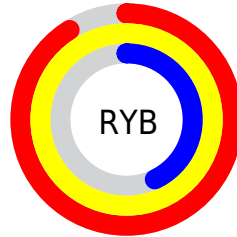
The CIELCh color **81, 51.755, 71.673** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 45.588, 271.644**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 41.610, 100.900**, and **61, 51.565, 72.221** is the 20% darker color. If you saturate the color by 10%, you get **78, 61.127, 70.561**, and if you desaturate by 10%, it is **84, 41.814, 73.459**.

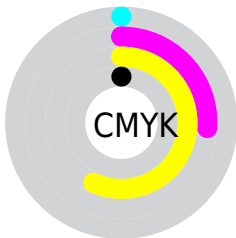
Distribution



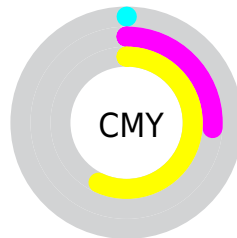
- Red (100%)
- Green (74%)
- Blue (43%)



- Red (91%)
- Yellow (100%)
- Blue (43%)



- 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, 51.755, 71.673 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, 51.755, 71.673 by changing the saturation by 10% instead.

81, 51.755, 71.673

81, 51.755, 71.673

100, 51.755,
71.673

71, 51.755, 71.673

61, 51.755, 71.673

51, 51.755, 71.673

41, 51.755, 71.673

31, 51.755, 71.673

21, 51.755, 71.673

11, 51.755, 71.673

1, 51.755, 71.673

0, 51.755, 71.673

81, 51.755, 71.673

81, 51.755, 71.673

78, 61.127, 70.561

84, 41.814, 73.459

75, 70.242, 68.889

87, 32.355, 74.826

72, 77.944, 66.830

91, 23.212, 76.165

70, 83.100, 64.067

94, 14.416, 77.474

69, 84.230, 63.274

97, 5.966, 78.725

100, 0.012,
296.813

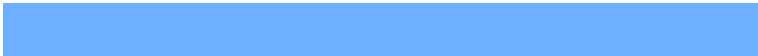
Harmonies

Complementary

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



81, 51.755, 71.673



71, 45.588, 271.644

Rectangle

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



81, 51.755, 71.673



81, 51.755, 121.673



81, 51.755, 251.673



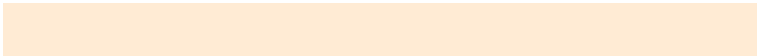
81, 51.755, 301.673

Sweetspot

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



81, 51.486, 72.051



94, 14.145, 77.515



66, 62.760, 352.499



49, 9.500, 77.255



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, 51.486, 72.051



77, 62.719, 70.296



97, 70.494, 106.407



51, 4.658, 78.461



53, 67.663, 63.968



17, 27.058, 65.935

Inverse Universe

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



71, 45.588, 271.644



65, 54.730, 275.709



54, 83.499, 299.860



50, 4.583, 261.043



39, 63.206, 287.938



11, 25.547, 281.717

Previews

White Background



This preview shows how the CIELCh color 81, 51.755, 71.673 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, 51.755, 71.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

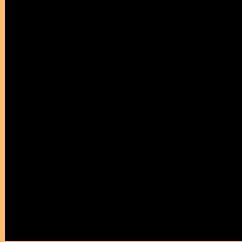
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 51.755, 71.673

Background



This preview shows how black text looks on a background with the CIELCh color 81, 51.755, 71.673.



This preview shows how white text looks on a background with the CIELCh color 81, 51.755, 71.673.

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, 51.431, 72.079

Protanopia

81, 45.945, 95.473

Deuteranopia

81, 50.237, 78.519



Tritanopia
81, 28.878, 9.365

Trichromacy



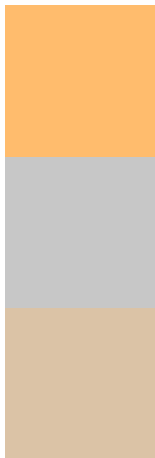
Original Color
81, 51.431, 72.079

Protanomaly
81, 46.798, 86.420

Deuteranomaly
81, 50.755, 76.620

Tritanomaly
81, 31.360, 42.937

Monochromacy



Original Color
81, 51.431, 72.079

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 18.129, 77.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 51.755, 71.673 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 51.755, 71.673 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, 109) }
```

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

```
.border{ border-color:rgb(255, 188, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 51.755, 71.673 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, 109) }
```

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

```
.background{ background-color: rgb(255,  
188, 109) }
```

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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