

Converting Colors

CIELCh(82, 53.787, 69.239)

Have a look what the booklet for
CIELCh(82, 53.787, 69.239) contains.

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Color

CIELCh(81, 51.543, 72.728)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD6D
RGB	255, 189, 109
RGB Percent	100%, 74%, 43%
CMY	0.0019, 0.2605, 0.5742
CMYK	0.00, 0.26, 0.57, 0.00
HSL	33°, 99%, 71%
HSV	33°, 57%, 100%
XYZ	61.9036, 58.4711, 22.3752
YIQ	199.6140, 65.0160, -10.8880

Conversions

Conversions Part 2

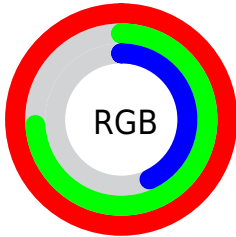
Format	Color
R _Y B	229, 255, 109
Decimal	16760173
CIE Lab	81.00, 15.30, 49.22
CIE LCh	81, 51.543, 72.728
Yxy	58.4711, 0.4337, 0.4096
Android (android.graphics.Color)	4294950253 (0xFFFFBD6D)
YUV	199.6140, -44.6727, 48.5735
Hunter-Lab	76.4664, 10.6891, 36.1774

Details

The CIELCh color **81, 51.543, 72.728** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 46.003, 272.368**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 42.028, 101.479**, and **61, 51.648, 72.890** is the 20% darker color. If you saturate the color by 10%, you get **78, 61.134, 71.228**, and if you desaturate by 10%, it is **84, 41.898, 74.152**.

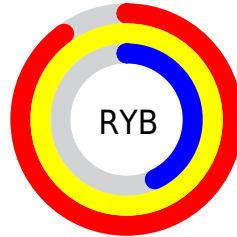
Distribution



Red (100%)

Green (74%)

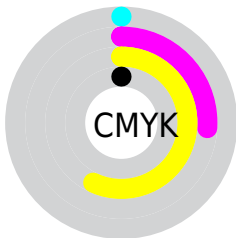
Blue (43%)



Red (90%)

Yellow (100%)

Blue (43%)

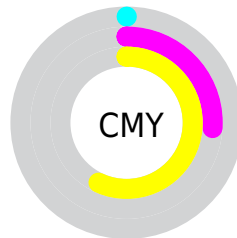


Cyan (0%)

Magenta (26%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 51.543, 72.728 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, 51.543, 72.728 by changing the saturation by 10% instead.

81, 51.543, 72.728

81, 51.543, 72.728

100, 51.543,
72.728

71, 51.543, 72.728

61, 51.543, 72.728

51, 51.543, 72.728

41, 51.543, 72.728

31, 51.543, 72.728

21, 51.543, 72.728

11, 51.543, 72.728

1, 51.543, 72.728

0, 51.543, 72.728

81, 51.543, 72.728

81, 51.543, 72.728

78, 61.134, 71.228

84, 41.898, 74.152

75, 70.172, 69.541

87, 32.448, 75.530

72, 77.769, 67.468

91, 23.298, 76.878

70, 82.810, 64.703

94, 14.485, 78.194

69, 83.902, 63.916

97, 6.007, 79.450

100, 0.168,
203.333

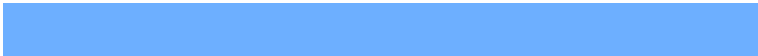
Harmonies

Complementary

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



81, 51.543, 72.728



70, 46.003, 272.368

Rectangle

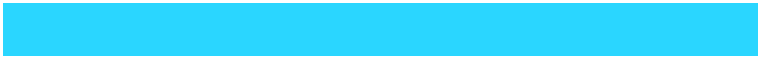
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 51.543, 72.728



81, 51.543, 122.728



81, 51.543, 252.728



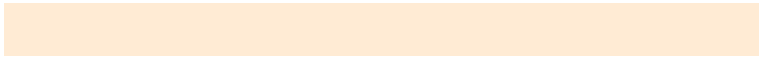
81, 51.543, 302.728

Sweetspot

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



81, 51.543, 72.732



94, 14.218, 78.237



66, 62.682, 352.502



49, 9.548, 77.976



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, 51.543, 72.732



78, 62.794, 70.962



97, 70.407, 106.406



51, 4.684, 79.187



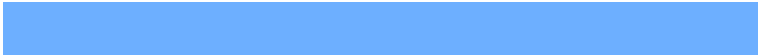
53, 67.511, 64.602



17, 27.082, 66.662

Inverse Universe

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



70, 46.003, 272.368



65, 55.359, 276.412



54, 83.401, 299.863



50, 4.613, 261.774



39, 64.090, 288.547



11, 25.879, 282.386

Previews

White Background



This preview shows how the CIELCh color 81, 51.543, 72.728 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, 51.543, 72.728 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, 51.543, 72.728

Background



This preview shows how black text looks on a background with the CIELCh color 81, 51.543, 72.728.



This preview shows how white text looks on a background with the CIELCh color 81, 51.543, 72.728.

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, 51.543, 72.728

Protanopia

81, 46.793, 96.119

Deuteranopia

81, 50.461, 78.097



Tritanopia
81, 28.417, 10.186

Trichromacy



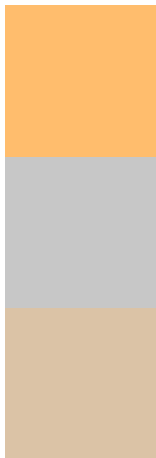
Original Color
81, 51.543, 72.728

Protanomaly
81, 47.543, 87.206

Deuteranomaly
81, 50.992, 76.212

Tritanomaly
81, 31.360, 42.937

Monochromacy



Original Color
81, 51.543, 72.728

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, 51.543, 72.728 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 51.543, 72.728 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, 109) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 51.543, 72.728 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, 109) }
```

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

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