

Converting Colors

CIELCh(88, 69.182, 54.502)

Have a look what the booklet for
CIELCh(88, 69.182, 54.502) contains.

CIELCh(81, 48.848, 70.527)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 48.848, 70.527)

Conversions

Conversions Part 1

Format	Color
Hex	FFBC73
RGB	255, 188, 115
RGB Percent	100%, 74%, 45%
CMY	0.0000, 0.2627, 0.5490
CMYK	0.00, 0.26, 0.55, 0.00
HSL	31°, 100%, 73%
HSV	31°, 55%, 100%
XYZ	62.3247, 58.4711, 24.2239
YIQ	199.7110, 63.3650, -8.4990

Conversions

Conversions Part 2

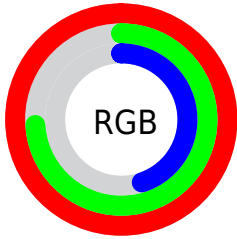
Format	Color
RYB	243, 255, 115
Decimal	16759923
CIELab	81.00, 16.28, 46.05
CIElCh	81, 48.848, 70.527
Yxy	58.4711, 0.4298, 0.4032
Android (android.graphics.Color)	4294950003 (0xFFFFBC73)
YUV	199.7110, -41.7625, 48.4885
Hunter-Lab	76.4664, 11.6721, 34.7439

Details

The CIELCh color **81, 48.848, 70.527** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **72, 42.547, 268.878**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 38.671, 100.718**, and **61, 49.033, 70.848** is the 20% darker color. If you saturate the color by 10%, you get **78, 58.609, 69.118**, and if you desaturate by 10%, it is **84, 39.183, 71.892**.

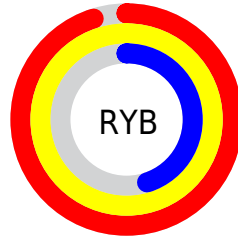
Distribution



Red (100%)

Green (74%)

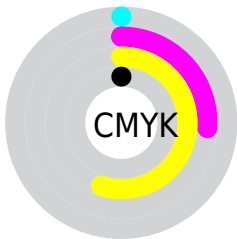
Blue (45%)



Red (95%)

Yellow (100%)

Blue (45%)

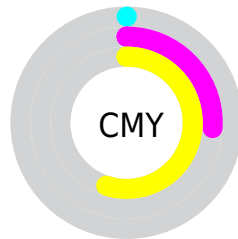


Cyan (0%)

Magenta (26%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 48.848, 70.527 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, 48.848, 70.527 by changing the saturation by 10% instead.

81, 48.848, 70.527

81, 48.848, 70.527

100, 48.848,
70.527

71, 48.848, 70.527

61, 48.848, 70.527

51, 48.848, 70.527

41, 48.848, 70.527

31, 48.848, 70.527

21, 48.848, 70.527

11, 48.848, 70.527

1, 48.848, 70.527

0, 48.848, 70.527

81, 48.848, 70.527

81, 48.848, 70.527

78, 58.609, 69.118

84, 39.183, 71.892

75, 68.069, 67.554

88, 29.812, 73.219

72, 76.447, 65.661

91, 20.805, 74.526

69, 82.573, 63.118

95, 12.177, 75.804

68, 84.836, 61.592

98, 3.913, 76.997

100, 0.012,
296.813

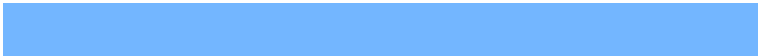
Harmonies

Complementary

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



81, 48.848, 70.527



72, 42.547, 268.878

Rectangle

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



81, 48.848, 70.527



81, 48.848, 120.527



81, 48.848, 250.527



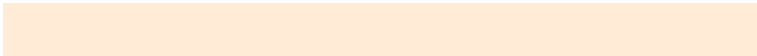
81, 48.848, 300.527

Sweetspot

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



81, 48.845, 70.535



94, 13.110, 75.665



67, 60.912, 350.960



50, 8.891, 75.404



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, 48.845, 70.535



78, 59.678, 68.955



97, 67.885, 105.788



51, 4.592, 76.470



52, 68.117, 62.295



16, 27.018, 63.984

Inverse Universe

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



72, 42.547, 268.878



67, 50.843, 272.632



55, 79.669, 298.998



50, 4.505, 259.035



40, 60.860, 286.225



11, 24.673, 279.844

Previews

White Background



This preview shows how the CIELCh color 81, 48.848, 70.527 looks on a white background.

Color Contrast Check

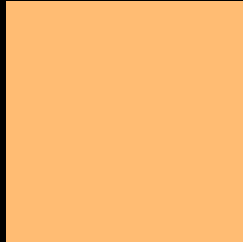
Large Text (above 18pt) WCAG AA × Fail

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, 48.848, 70.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

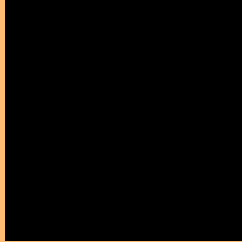
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 48.848, 70.527

Background



This preview shows how black text looks on a background with the CIELCh color 81, 48.848, 70.527.



This preview shows how white text looks on a background with the CIELCh color 81, 48.848, 70.527.

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, 28.417, 10.186

Trichromacy



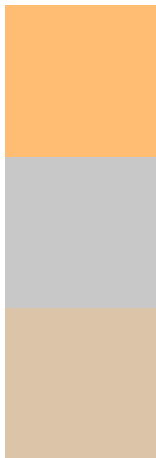
Original Color
81, 48.848, 70.527

Protanomaly
81, 44.232, 86.204

Deuteranomaly
81, 48.089, 75.287

Tritanomaly
81, 30.611, 40.404

Monochromacy



Original Color
81, 48.848, 70.527

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 17.196, 75.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 48.848, 70.527 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 48.848, 70.527 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, 115) }
```

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

```
.border{ border-color:rgb(255, 188, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 48.848, 70.527 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, 115) }
```

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

```
.background{ background-color: rgb(255,  
188, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor