

Converting Colors

CIELCh(86, 53.420, 68.081)

Have a look what the booklet for
CIELCh(86, 53.420, 68.081) contains.

CIELCh(84, 47.676, 76.609)	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(84, 47.676, 76.609)

Conversions

Conversions Part 1

Format	Color
Hex	FFC87A
RGB	255, 200, 122
RGB Percent	100%, 78%, 48%
CMY	0.0000, 0.2163, 0.5224
CMYK	0.00, 0.22, 0.52, 0.00
HSL	35°, 100%, 74%
HSV	35°, 52%, 100%
XYZ	65.6930, 64.0658, 27.2479
YIQ	207.5530, 57.8180, -12.5980

Conversions

Conversions Part 2

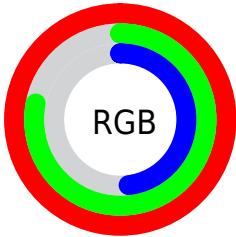
Format	Color
R _Y B	216, 255, 122
Decimal	16763002
CIE Lab	84.00, 11.04, 46.38
CIE LCh	84, 47.676, 76.609
Yxy	64.0658, 0.4184, 0.4080
Android (android.graphics.Color)	4294953082 (0xFFFFC87A)
YUV	207.5530, -42.1776, 41.6110
Hunter-Lab	80.0411, 6.4304, 35.8450

Details

The CIELCh color **84, 47.676, 76.609** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 44.280, 274.401**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.607, 107.155**, and **64, 47.472, 76.696** is the 20% darker color. If you saturate the color by 10%, you get **81, 57.042, 75.505**, and if you desaturate by 10%, it is **87, 37.876, 78.445**.

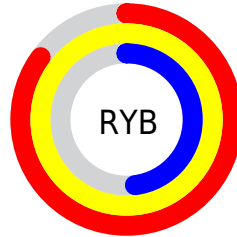
Distribution



Red (100%)

Green (78%)

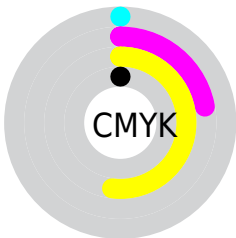
Blue (48%)



Red (85%)

Yellow (100%)

Blue (48%)

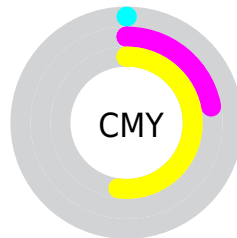


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 47.676, 76.609 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 84, 47.676, 76.609 by changing the saturation by 10% instead.

 84, 47.676, 76.609

 84, 47.676, 76.609

 100, 47.676,
76.609

 74, 47.676, 76.609

 64, 47.676, 76.609

 54, 47.676, 76.609

 44, 47.676, 76.609

 34, 47.676, 76.609

 24, 47.676, 76.609

 14, 47.676, 76.609

 4, 47.676, 76.609

 0, 47.676, 76.609

84, 47.676, 76.609

84, 47.676, 76.609

81, 57.042, 75.505

87, 37.876, 78.445

78, 66.229, 73.876

90, 28.467, 79.841

76, 74.325, 71.992

93, 19.317, 81.198

73, 80.284, 69.616

96, 10.453, 82.511

71, 83.151, 67.350

99, 1.873, 83.641

100, 0.012,
296.813

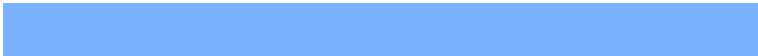
Harmonies

Complementary

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



84, 47.676, 76.609



71, 44.280, 274.401

Rectangle

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



84, 47.676, 76.609



84, 47.676, 126.609



84, 47.676, 256.609



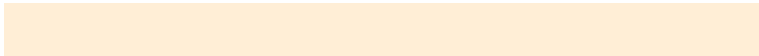
84, 47.676, 306.609

Sweetspot

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



84, 47.464, 77.008



95, 13.754, 82.024



68, 56.583, 354.919



50, 9.318, 81.754



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 47.464, 77.008



81, 57.762, 75.386



97, 65.115, 109.156



52, 4.833, 82.857



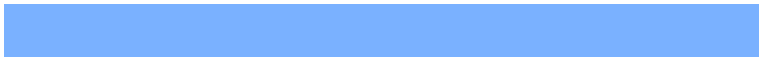
55, 66.873, 68.007



18, 27.277, 70.462

Inverse Universe

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



71, 44.280, 274.401



66, 53.549, 277.780



58, 75.360, 300.065



50, 4.785, 265.445



37, 68.796, 291.508



10, 27.667, 285.669

Previews

White Background



This preview shows how the CIELCh color 84, 47.676, 76.609 looks on a white background.

Color Contrast Check

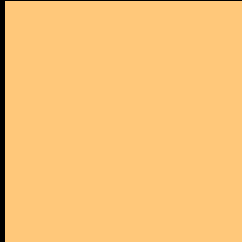
Large Text (above 18pt) WCAG AA × Fail

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 84, 47.676, 76.609 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 84, 47.676, 76.609

Background



This preview shows how black text looks on a background with the CIELCh color 84, 47.676, 76.609.



This preview shows how white text looks on a background with the CIELCh color 84, 47.676, 76.609.

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
84, 24.066, 6.328

Trichromacy



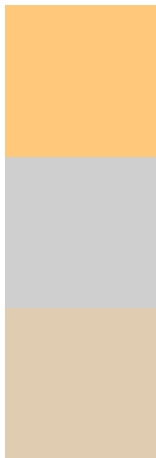
Original Color
84, 47.398, 77.070

Protanomaly
84, 44.728, 88.932

Deuteranomaly
84, 47.398, 77.070

Tritanomaly
84, 26.245, 44.353

Monochromacy



Original Color
84, 47.398, 77.070

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 16.696, 81.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 47.676, 76.609 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, 200, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 122)  
}
```

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, 200, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 47.676, 76.609 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, 200, 122) }
```

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

```
.border{ border-color:rgb(255, 200, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 47.676, 76.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 122) }
```

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

```
.background{ background-color: rgb(255,  
200, 122) }
```

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