

Converting Colors

CIELCh(84, 53.852, 80.388)

Have a look what the booklet for
CIELCh(84, 53.852, 80.388) contains.

CIELCh(84, 53.852, 80.388)	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, 53.852, 80.388)

Conversions

Conversions Part 1

Format	Color
Hex	FFC96C
RGB	255, 201, 108
RGB Percent	100%, 79%, 42%
CMY	0.0003, 0.2120, 0.5767
CMYK	0.00, 0.21, 0.58, 0.00
HSL	38°, 100%, 71%
HSV	38°, 58%, 100%
XYZ	64.7835, 64.0658, 23.1199
YIQ	206.5440, 62.0370, -17.4750

Conversions

Conversions Part 2

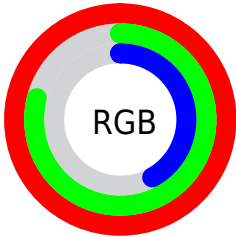
Format	Color
RYB	193, 255, 108
Decimal	16763244
CIELab	84.00, 8.99, 53.10
CIElCh	84, 53.852, 80.388
Yxy	64.0658, 0.4263, 0.4216
Android (android.graphics.Color)	4294953324 (0xFFFFC96C)
YUV	206.5440, -48.5822, 42.4959
Hunter-Lab	80.0411, 4.4022, 38.9028

Details

The CIELCh color **84, 53.852, 80.388** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 52.371, 279.998**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 46.400, 106.631**, and **64, 53.866, 80.316** is the 20% darker color. If you saturate the color by 10%, you get **81, 63.121, 78.822**, and if you desaturate by 10%, it is **87, 44.248, 81.872**.

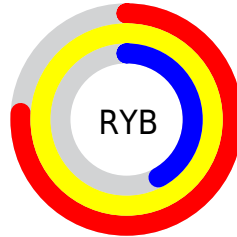
Distribution



Red (100%)

Green (79%)

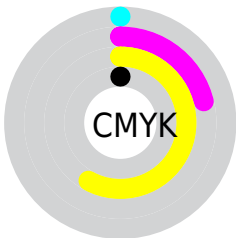
Blue (42%)



Red (76%)

Yellow (100%)

Blue (42%)

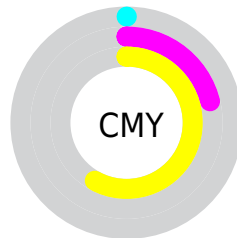


Cyan (0%)

Magenta (21%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 53.852, 80.388 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, 53.852, 80.388 by changing the saturation by 10% instead.

 84, 53.852, 80.388

 84, 53.852, 80.388

 100, 53.852,
80.388

 74, 53.852, 80.388

 64, 53.852, 80.388

 54, 53.852, 80.388

 44, 53.852, 80.388

 34, 53.852, 80.388

 24, 53.852, 80.388

 14, 53.852, 80.388

 4, 53.852, 80.388

 0, 53.852, 80.388

84, 53.852, 80.388

84, 53.852, 80.388

81, 63.121, 78.822

87, 44.248, 81.872

79, 71.486, 77.083

89, 34.621, 83.299

77, 78.048, 75.020

92, 25.126, 84.682

75, 81.867, 72.410

95, 15.835, 86.022

74, 82.547, 71.762

98, 6.774, 87.300

100, 0.029,
222.882

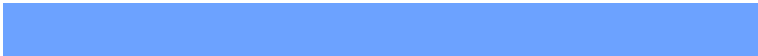
Harmonies

Complementary

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



84, 53.852, 80.388



67, 52.371, 279.998

Rectangle

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



84, 53.852, 80.388



84, 53.852, 130.388



84, 53.852, 260.388



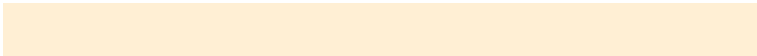
84, 53.852, 310.388

Sweetspot

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



84, 53.852, 80.392



95, 15.235, 86.108



65, 61.148, 358.382



50, 10.217, 85.844



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, 53.852, 80.392



81, 64.328, 78.601



96, 71.173, 110.378



52, 5.043, 87.071



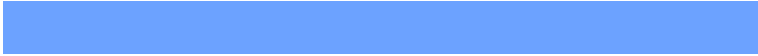
57, 66.476, 72.362



18, 27.687, 75.083

Inverse Universe

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



67, 52.371, 279.998



61, 63.263, 283.705



54, 83.854, 301.781



50, 5.022, 269.625



34, 74.708, 294.685



9, 29.970, 289.250

Previews

White Background



This preview shows how the CIELCh color 84, 53.852, 80.388 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, 53.852, 80.388 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, 53.852, 80.388

Background



This preview shows how black text looks on a background with the CIELCh color 84, 53.852, 80.388.



This preview shows how white text looks on a background with the CIELCh color 84, 53.852, 80.388.

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

84, 53.852, 80.388

Protanopia

84, 51.453, 95.791

Deuteranopia

84, 49.643, 78.147



Tritanopia
84, 24.066, 6.328

Trichromacy



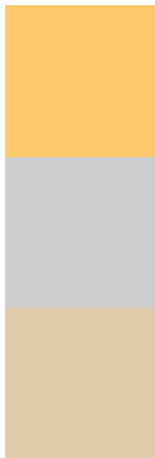
Original Color
84, 53.852, 80.388

Protanomaly
84, 51.890, 90.080

Deuteranomaly
84, 50.987, 78.734

Tritanomaly
84, 27.558, 50.242

Monochromacy



Original Color
84, 53.852, 80.388

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 19.575, 84.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 53.852, 80.388 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, 201, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 108)  
}
```

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, 201, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 53.852, 80.388 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, 201, 108) }
```

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

```
.border{ border-color:rgb(255, 201, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 201, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 201, 108); box-shadow:4px 4px 4px 4px rgb(255, 201, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 53.852, 80.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 108) }
```

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

```
.background{ background-color: rgb(255,  
201, 108) }
```

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