

Converting Colors

CIELCh(84, 53.213, 81.103)

Have a look what the booklet for
CIELCh(84, 53.213, 81.103) contains.

CIELCh(84, 53.202, 80.634)	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, 53.202, 80.634)

Conversions

Conversions Part 1

Format	Color
Hex	FEC96D
RGB	254, 201, 109
RGB Percent	100%, 79%, 43%
CMY	0.0032, 0.2111, 0.5719
CMYK	0.00, 0.21, 0.57, 0.00
HSL	38°, 99%, 71%
HSV	38°, 57%, 100%
XYZ	64.6362, 64.0658, 23.4723
YIQ	206.3590, 61.1200, -17.3760

Conversions

Conversions Part 2

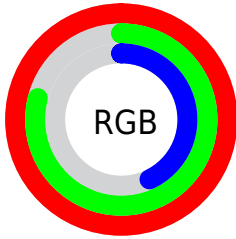
Format	Color
R _Y B	193, 254, 109
Decimal	16697709
CIE Lab	84.00, 8.66, 52.49
CIE LCh	84, 53.202, 80.634
Yxy	64.0658, 0.4248, 0.4210
Android (android.graphics.Color)	4294887789 (0xFFFE96D)
YUV	206.3590, -47.9980, 41.7812
Hunter-Lab	80.0411, 4.0736, 38.6418

Details

The CIELCh color **84, 53.202, 80.634** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 51.809, 279.951**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 45.919, 106.668**, and **64, 53.237, 80.622** is the 20% darker color. If you saturate the color by 10%, you get **82, 62.478, 79.076**, and if you desaturate by 10%, it is **87, 43.611, 82.114**.

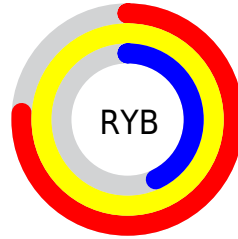
Distribution



Red (100%)

Green (79%)

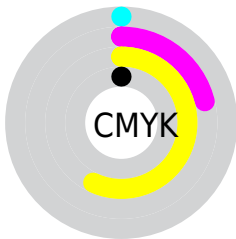
Blue (43%)



Red (76%)

Yellow (100%)

Blue (43%)

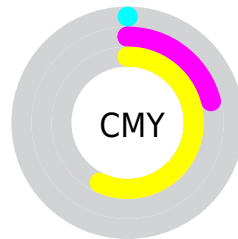


Cyan (0%)

Magenta (21%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 53.202, 80.634 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, 53.202, 80.634 by changing the saturation by 10% instead.

 84, 53.202, 80.634

 84, 53.202, 80.634

 100, 53.202,
80.634

 74, 53.202, 80.634

 64, 53.202, 80.634

 54, 53.202, 80.634

 44, 53.202, 80.634

 34, 53.202, 80.634

 24, 53.202, 80.634

 14, 53.202, 80.634

 4, 53.202, 80.634

 0, 53.202, 80.634

84, 53.202, 80.634

84, 53.202, 80.634

82, 62.478, 79.076

87, 43.611, 82.114

79, 70.891, 77.353

89, 34.006, 83.537

77, 77.562, 75.320

92, 24.535, 84.917

75, 81.512, 72.751

95, 15.269, 86.253

74, 82.356, 71.936

98, 6.229, 87.524

100, 0.283,
201.732

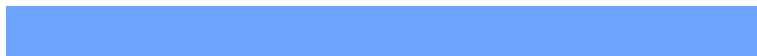
Harmonies

Complementary

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



84, 53.202, 80.634



67, 51.809, 279.951

Rectangle

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



84, 53.202, 80.634



84, 53.202, 130.634



84, 53.202, 260.634



84, 53.202, 310.634

Sweetspot

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



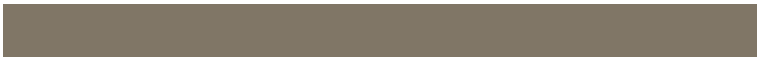
84, 53.202, 80.638



95, 15.259, 86.260



66, 60.141, 359.454



50, 10.233, 85.995



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, 53.202, 80.638



82, 63.486, 78.920



96, 70.476, 111.198



52, 5.051, 87.223



57, 66.469, 72.527



18, 27.705, 75.253

Inverse Universe

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



67, 51.809, 279.951



61, 62.461, 283.493



55, 82.680, 302.074



50, 5.032, 269.774



34, 74.930, 294.795



9, 30.058, 289.375

Previews

White Background



This preview shows how the CIELCh color 84, 53.202, 80.634 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, 53.202, 80.634 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, 53.202, 80.634

Background



This preview shows how black text looks on a background with the CIELCh color 84, 53.202, 80.634.

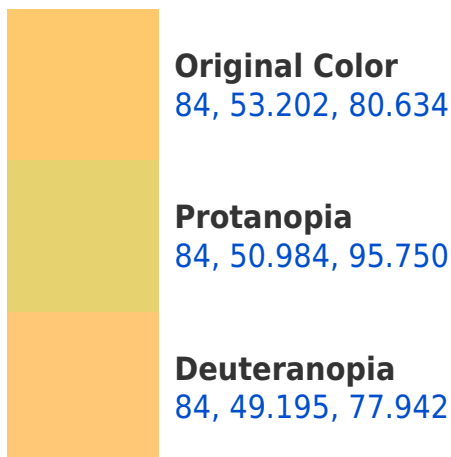


This preview shows how white text looks on a background with the CIELCh color 84, 53.202, 80.634.

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, 24.163, 5.115

Trichromacy



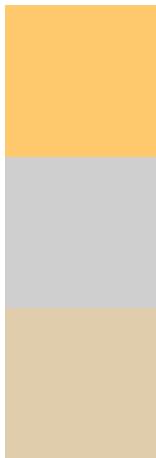
Original Color
84, 53.202, 80.634

Protanomaly
84, 51.299, 90.446

Deuteranomaly
84, 50.540, 78.543

Tritanomaly
84, 27.254, 49.369

Monochromacy



Original Color
84, 53.202, 80.634

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 19.396, 86.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 53.202, 80.634 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(254, 201, 109)` looks like.

```
.text, #text, p{  
    color:rgb(254, 201, 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(254, 201, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 201, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 53.202, 80.634 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(254, 201, 109) }
```

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

```
.border{ border-color:rgb(254, 201, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 201, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 201, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 201, 109);  
box-shadow:4px 4px 4px 4px rgb(254, 201,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 53.202, 80.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 201, 109) }
```

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

```
.background{ background-color: rgb(254,  
201, 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](#).

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