

Converting Colors

CIELCh(86, 60.210, 76.813)

Have a look what the booklet for
CIELCh(86, 60.210, 76.813) contains.

CIELCh(84, 56.904, 82.390)	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, 56.904, 82.390)

Conversions

Conversions Part 1

Format	Color
Hex	FECA65
RGB	254, 202, 101
RGB Percent	100%, 79%, 40%
CMY	0.0054, 0.2088, 0.6046
CMYK	0.00, 0.20, 0.60, 0.01
HSL	40°, 98%, 70%
HSV	40°, 60%, 99%
XYZ	64.1425, 64.0658, 21.2504
YIQ	206.0340, 63.4130, -20.3870

Conversions

Conversions Part 2

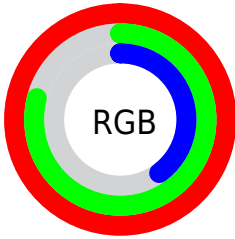
Format	Color
R _Y B	180, 254, 101
Decimal	16697957
CIE Lab	84.00, 7.54, 56.40
CIE LCh	84, 56.904, 82.390
Yxy	64.0658, 0.4292, 0.4287
Android (android.graphics.Color)	4294888037 (0xFFFECA65)
YUV	206.0340, -51.7818, 42.0662
Hunter-Lab	80.0411, 2.9726, 40.2876

Details

The CIELCh color **84, 56.904, 82.390** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **64, 56.888, 282.919**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **64, 56.992, 82.240** is the 20% darker color. If you saturate the color by 10%, you get **82, 65.876, 80.812**, and if you desaturate by 10%, it is **86, 47.389, 83.879**.

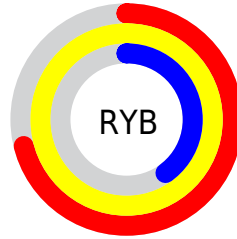
Distribution



Red (100%)

Green (79%)

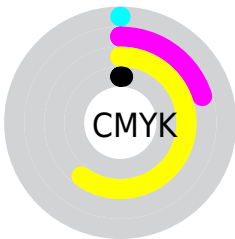
Blue (40%)



Red (71%)

Yellow (100%)

Blue (40%)

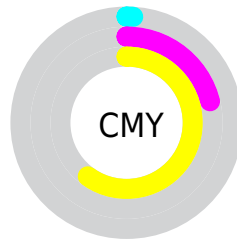


Cyan (0%)

Magenta (20%)

Yellow (60%)

Black (1%)



Cyan (1%)

Magenta (21%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 56.904, 82.390 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, 56.904, 82.390 by changing the saturation by 10% instead.

 84, 56.904, 82.390

 84, 56.904, 82.390

 100, 56.904,
82.390

 74, 56.904, 82.390

 64, 56.904, 82.390

 54, 56.904, 82.390

 44, 56.904, 82.390

 34, 56.904, 82.390

 24, 56.904, 82.390

 14, 56.904, 82.390

 4, 56.904, 82.390

 0, 56.904, 82.390

84, 56.904, 82.390

84, 56.904, 82.390

82, 65.876, 80.812

86, 47.389, 83.879

79, 73.644, 79.049

89, 37.714, 85.306

77, 79.257, 76.949

91, 28.085, 86.689

75, 82.162, 74.445

94, 18.601, 88.030

97, 9.306, 89.317

99, 0.213, 89.231

100, 0.476,
200.768

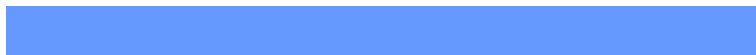
Harmonies

Complementary

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



84, 56.904, 82.390



64, 56.888, 282.919

Rectangle

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



84, 56.904, 82.390



84, 56.904, 132.390



84, 56.904, 262.390



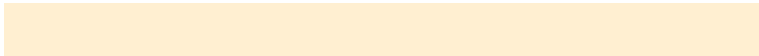
84, 56.904, 312.390

Sweetspot

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



84, 56.904, 82.394



95, 16.565, 88.324



64, 62.757, 1.449



50, 11.549, 87.942



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, 56.904, 82.394



82, 67.640, 80.516



95, 73.826, 111.814



52, 5.180, 89.410



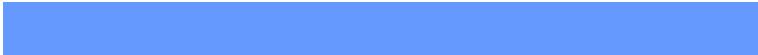
58, 66.457, 74.994



19, 28.015, 77.762

Inverse Universe

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



64, 56.888, 282.919



58, 69.149, 286.796



53, 87.480, 302.950



50, 5.175, 271.929



33, 78.225, 296.348



8, 31.376, 291.158

Previews

White Background



This preview shows how the CIELCh color 84, 56.904, 82.390 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, 56.904, 82.390 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, 56.904, 82.390

Background



This preview shows how black text looks on a background with the CIELCh color 84, 56.904, 82.390.



This preview shows how white text looks on a background with the CIELCh color 84, 56.904, 82.390.

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, 56.944, 82.355

Protanopia

84, 55.234, 95.635

Deuteranopia

84, 50.725, 79.182



Tritanopia
84, 24.163, 5.115

Trichromacy



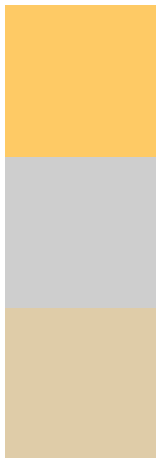
Original Color
84, 56.944, 82.355

Protanomaly
84, 55.547, 90.703

Deuteranomaly
84, 52.962, 80.063

Tritanomaly
84, 28.188, 51.925

Monochromacy



Original Color
84, 56.944, 82.355

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 20.397, 86.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 56.904, 82.390 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, 202, 101)` looks like.

```
.text, #text, p{  
    color:rgb(254, 202, 101)  
}
```

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, 202, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 202, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 56.904, 82.390 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, 202, 101) }
```

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

```
.border{ border-color:rgb(254, 202, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 202, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 202, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 202, 101);  
box-shadow:4px 4px 4px 4px rgb(254, 202,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 56.904, 82.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 202, 101) }
```

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

```
.background{ background-color: rgb(254,  
202, 101) }
```

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