

Converting Colors

CIELCh(87, 66.459, 72.860)

Have a look what the booklet for
CIELCh(87, 66.459, 72.860) contains.

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Color

CIELCh(84, 60.161, 82.807)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA5E
RGB	255, 202, 94
RGB Percent	100%, 79%, 37%
CMY	0.0015, 0.2092, 0.6327
CMYK	0.00, 0.21, 0.63, 0.00
HSL	40°, 100%, 68%
HSV	40°, 63%, 100%
XYZ	64.1412, 64.0658, 19.4960
YIQ	205.5350, 66.2560, -22.3520

Conversions

Conversions Part 2

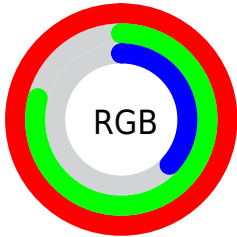
Format	Color
RYB	173, 255, 94
Decimal	16763486
CIELab	84.00, 7.53, 59.69
CIElCh	84, 60.161, 82.807
Yxy	64.0658, 0.4343, 0.4337
Android (android.graphics.Color)	4294953566 (0xFFFFCA5E)
YUV	205.5350, -54.9868, 43.3808
Hunter-Lab	80.0411, 2.9697, 41.5872

Details

The CIELCh color **84, 60.161, 82.807** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **62, 60.987, 284.598**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 53.053, 106.118**, and **64, 60.064, 82.521** is the 20% darker color. If you saturate the color by 10%, you get **82, 68.845, 81.200**, and if you desaturate by 10%, it is **86, 50.732, 84.310**.

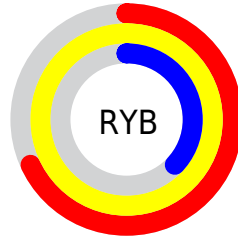
Distribution



Red (100%)

Green (79%)

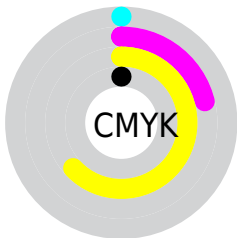
Blue (37%)



Red (68%)

Yellow (100%)

Blue (37%)

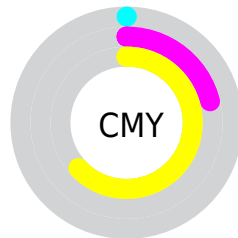


Cyan (0%)

Magenta (21%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (21%)

Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 60.161, 82.807 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, 60.161, 82.807 by changing the saturation by 10% instead.

 84, 60.161, 82.807

 84, 60.161, 82.807

 100, 60.161,
82.807

 74, 60.161, 82.807

 64, 60.161, 82.807

 54, 60.161, 82.807

 44, 60.161, 82.807

 34, 60.161, 82.807

 24, 60.161, 82.807

 14, 60.161, 82.807

 4, 60.161, 82.807

 0, 60.161, 82.807

84, 60.161, 82.807

84, 60.161, 82.807

82, 68.845, 81.200

86, 50.732, 84.310

80, 76.021, 79.381

89, 41.023, 85.745

78, 80.713, 77.182

91, 31.288, 87.135

76, 82.431, 75.437

94, 21.660, 88.483

96, 12.198, 89.783

99, 2.926, 90.975

100, 0.135,
204.327

Harmonies

Complementary

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



84, 60.161, 82.807



62, 60.987, 284.598

Rectangle

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



84, 60.161, 82.807



84, 60.161, 132.807



84, 60.161, 262.807



84, 60.161, 312.807

Sweetspot

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



84, 60.161, 82.810



95, 17.674, 89.037



63, 65.421, 3.497



50, 12.200, 88.661



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, 60.161, 82.810



81, 71.124, 80.719



95, 77.202, 112.468



52, 5.233, 90.248



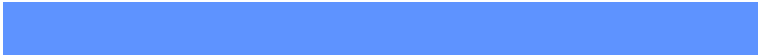
59, 66.492, 75.976



19, 28.153, 78.742

Inverse Universe

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



62, 60.987, 284.598



55, 74.534, 288.917



51, 92.291, 303.755



50, 5.234, 272.753



33, 79.526, 296.928



8, 31.904, 291.829

Previews

White Background



This preview shows how the CIELCh color 84, 60.161, 82.807 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, 60.161, 82.807 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, 60.161, 82.807

Background



This preview shows how black text looks on a background with the CIELCh color 84, 60.161, 82.807.



This preview shows how white text looks on a background with the CIELCh color 84, 60.161, 82.807.

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, 60.161, 82.807

Protanopia

84, 58.459, 95.423

Deuteranopia

84, 51.622, 79.547



Tritanopia
84, 24.066, 6.328

Trichromacy



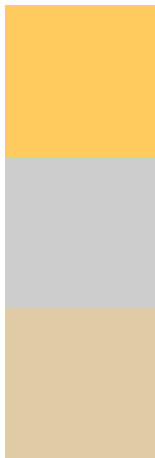
Original Color
84, 60.161, 82.807

Protanomaly
84, 58.784, 90.739

Deuteranomaly
84, 54.739, 80.698

Tritanomaly
84, 29.179, 54.302

Monochromacy



Original Color
84, 60.161, 82.807

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 21.880, 88.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 60.161, 82.807 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, 202, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 94)  
}
```

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, 202, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 60.161, 82.807 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, 202, 94) }
```

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

```
.border{ border-color:rgb(255, 202, 94) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 60.161, 82.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 94) }
```

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

```
.background{ background-color: rgb(255,  
202, 94) }
```

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](#).

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