

Converting Colors

CIELCh(86, 66.893, 70.542)

Have a look what the booklet for
CIELCh(86, 66.893, 70.542) contains.

CIELCh(83, 59.637, 80.290)	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(83, 59.637, 80.290)

Conversions

Conversions Part 1

Format	Color
Hex	FFC55D
RGB	255, 197, 93
RGB Percent	100%, 77%, 36%
CMY	0.0000, 0.2264, 0.6343
CMYK	0.00, 0.23, 0.63, 0.00
HSL	39°, 100%, 68%
HSV	39°, 63%, 100%
XYZ	63.3613, 62.1629, 19.0740
YIQ	202.4860, 67.9520, -20.0480

Conversions

Conversions Part 2

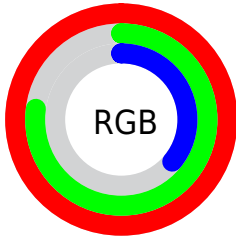
Format	Color
RYB	183, 255, 93
Decimal	16762205
CIELab	83.00, 10.06, 58.78
CIELCh	83, 59.637, 80.290
Yxy	62.1629, 0.4382, 0.4299
Android (android.graphics.Color)	4294952285 (0xFFFFC55D)
YUV	202.4860, -53.9766, 46.0548
Hunter-Lab	78.8435, 5.4727, 40.8469

Details

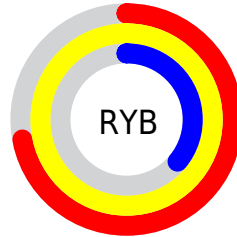
The CIELCh color **83, 59.637, 80.290** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **63, 58.790, 282.621**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 52.648, 105.256**, and **63, 59.687, 79.856** is the 20% darker color. If you saturate the color by 10%, you get **81, 68.366, 78.755**, and if you desaturate by 10%, it is **85, 50.124, 81.923**.

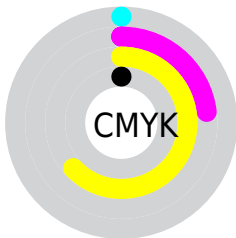
Distribution



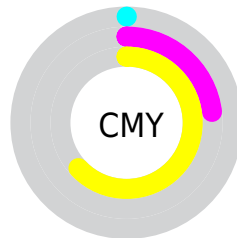
- Red (100%)
- Green (77%)
- Blue (36%)



- Red (72%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 59.637, 80.290 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 83, 59.637, 80.290 by changing the saturation by 10% instead.

 83, 59.637, 80.290

 83, 59.637, 80.290

 100, 59.637,
80.290

 73, 59.637, 80.290

 63, 59.637, 80.290

 53, 59.637, 80.290

 43, 59.637, 80.290

 33, 59.637, 80.290

 23, 59.637, 80.290

 13, 59.637, 80.290

 3, 59.637, 80.290

 0, 59.637, 80.290

83, 59.637, 80.290

83, 59.637, 80.290

81, 68.366, 78.755

85, 50.124, 81.923

78, 75.731, 76.870

88, 40.464, 83.376

76, 80.660, 74.549

91, 30.837, 84.780

75, 82.516, 72.753

93, 21.362, 86.143

96, 12.092, 87.458

99, 3.042, 88.663

100, 0.012,
296.813

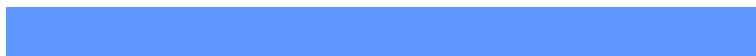
Harmonies

Complementary

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



83, 59.637, 80.290



63, 58.790, 282.621

Rectangle

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



83, 59.637, 80.290



83, 59.637, 130.290



83, 59.637, 260.290



83, 59.637, 310.290

Sweetspot

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



83, 59.576, 80.401



95, 17.230, 86.732



63, 66.106, 1.019



50, 11.900, 86.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 59.576, 80.401



80, 70.434, 78.300



96, 77.206, 110.872



52, 5.093, 87.955



57, 66.449, 73.338



19, 27.802, 76.086

Inverse Universe

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



63, 58.790, 282.621



56, 71.316, 286.982



50, 92.862, 303.075



50, 5.078, 270.497



34, 76.018, 295.322



9, 30.490, 289.978

Previews

White Background



This preview shows how the CIELCh color 83, 59.637, 80.290 looks on a white background.

Color Contrast Check

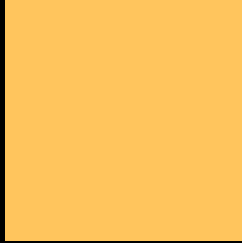
Large Text (above 18pt) WCAG AA × Fail

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 83, 59.637, 80.290 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 83, 59.637, 80.290

Background



This preview shows how black text looks on a background with the CIELCh color 83, 59.637, 80.290.

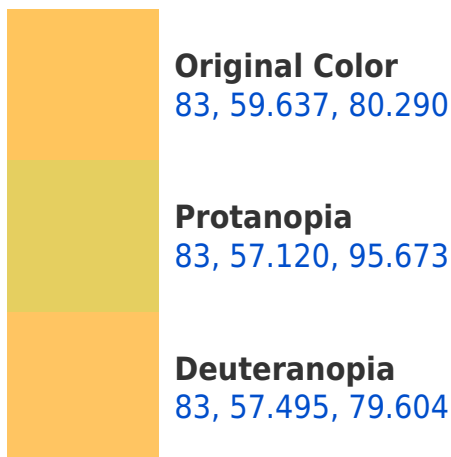



This preview shows how white text looks on a background with the CIELCh color 83, 59.637, 80.290.

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
83, 25.648, 7.427

Trichromacy



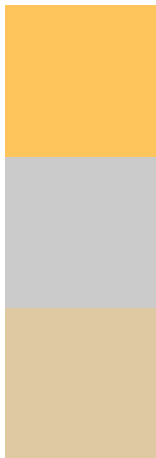
Original Color
83, 59.637, 80.290

Protanomaly
83, 57.265, 89.945

Deuteranomaly
83, 58.356, 79.888

Tritanomaly
83, 30.401, 51.877

Monochromacy



Original Color
83, 59.637, 80.290

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 21.751, 85.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 59.637, 80.290 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, 197, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 93)  
}
```

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, 197, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 59.637, 80.290 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, 197, 93) }
```

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

```
.border{ border-color:rgb(255, 197, 93) }
```

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

Here you see how a box with a 4 pixel rgb(255, 197, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 59.637, 80.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 93) }
```

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

```
.background{ background-color: rgb(255,  
197, 93) }
```

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