

Converting Colors

CIELCh(83, 52.055, 76.351)

Have a look what the booklet for
CIELCh(83, 52.055, 76.351) contains.

CIELCh(83, 51.635, 76.781)	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, 51.635, 76.781)

Conversions

Conversions Part 1

Format	Color
Hex	FFC46F
RGB	255, 196, 111
RGB Percent	100%, 77%, 44%
CMY	0.0000, 0.2298, 0.5632
CMYK	0.00, 0.23, 0.56, 0.00
HSL	36°, 100%, 72%
HSV	36°, 56%, 100%
XYZ	64.1256, 62.1629, 23.7682
YIQ	203.9510, 62.4490, -13.9270

Conversions

Conversions Part 2

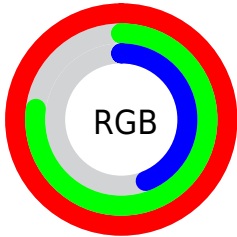
Format	Color
RYB	211, 255, 111
Decimal	16761967
CIELab	83.00, 11.81, 50.27
CIELCh	83, 51.635, 76.781
Yxy	62.1629, 0.4273, 0.4143
Android (android.graphics.Color)	4294952047 (0xFFFFC46F)
YUV	203.9510, -45.8248, 44.7700
Hunter-Lab	78.8435, 7.2029, 37.3168

Details

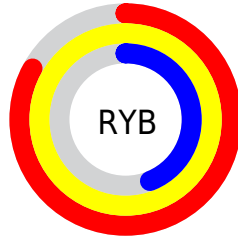
The CIELCh color **83, 51.635, 76.781** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 48.206, 276.169**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 44.534, 105.743**, and **63, 51.458, 76.502** is the 20% darker color. If you saturate the color by 10%, you get **80, 60.990, 75.416**, and if you desaturate by 10%, it is **86, 41.918, 78.428**.

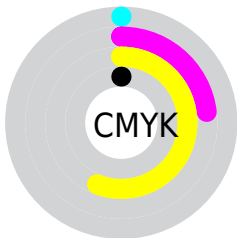
Distribution



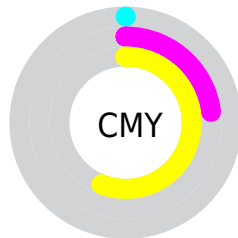
- Red (100%)
- Green (77%)
- Blue (44%)



- Red (83%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 51.635, 76.781 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, 51.635, 76.781 by changing the saturation by 10% instead.

 83, 51.635, 76.781

 83, 51.635, 76.781

 100, 51.635,
76.781

 73, 51.635, 76.781

 63, 51.635, 76.781

 53, 51.635, 76.781

 43, 51.635, 76.781

 33, 51.635, 76.781

 23, 51.635, 76.781

 13, 51.635, 76.781

 3, 51.635, 76.781

 0, 51.635, 76.781

83, 51.635, 76.781

83, 51.635, 76.781

80, 60.990, 75.416

86, 41.918, 78.428

78, 69.793, 73.700

89, 32.408, 79.843

75, 77.087, 71.651

92, 23.122, 81.218

73, 81.790, 68.998

95, 14.107, 82.553

72, 83.042, 67.919

98, 5.371, 83.818

100, 0.012,
296.813

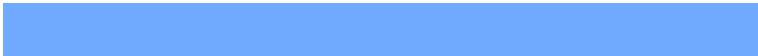
Harmonies

Complementary

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



83, 51.635, 76.781



69, 48.206, 276.169

Rectangle

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



83, 51.635, 76.781



83, 51.635, 126.781



83, 51.635, 256.781



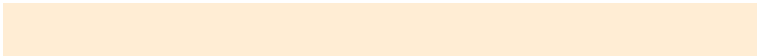
83, 51.635, 306.781

Sweetspot

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



83, 51.531, 76.964



95, 14.711, 82.464



66, 60.576, 355.723



50, 9.872, 82.199



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, 51.531, 76.964



80, 62.533, 75.142



97, 69.586, 108.878



52, 4.859, 83.429



55, 66.795, 68.570



18, 27.320, 71.073

Inverse Universe

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



69, 48.206, 276.169



63, 58.462, 280.050



55, 81.818, 300.783



50, 4.814, 266.014



36, 69.565, 291.953



10, 27.963, 286.167

Previews

White Background



This preview shows how the CIELCh color 83, 51.635, 76.781 looks on a white background.

Color Contrast Check

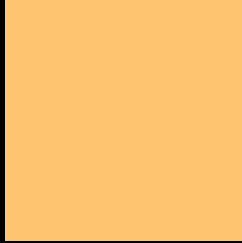
Large Text (above 18pt) WCAG AA × Fail

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, 51.635, 76.781 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, 51.635, 76.781

Background



This preview shows how black text looks on a background with the CIELCh color 83, 51.635, 76.781.



This preview shows how white text looks on a background with the CIELCh color 83, 51.635, 76.781.

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


83, 51.635, 76.781

Protanopia

83, 48.153, 95.885

Deuteranopia

83, 51.346, 78.228



Tritanopia
83, 25.648, 7.427

Trichromacy



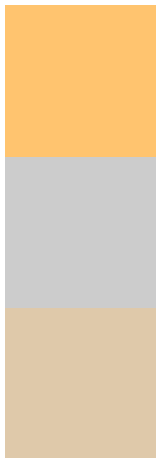
Original Color
83, 51.635, 76.781

Protanomaly
83, 48.436, 88.706

Deuteranomaly
83, 51.571, 77.818

Tritanomaly
83, 28.563, 47.011

Monochromacy



Original Color
83, 51.635, 76.781

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 18.545, 80.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 51.635, 76.781 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, 196, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 111)  
}
```

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, 196, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 51.635, 76.781 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, 196, 111) }
```

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

```
.border{ border-color:rgb(255, 196, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 51.635, 76.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 111) }
```

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

```
.background{ background-color: rgb(255,  
196, 111) }
```

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