

Converting Colors

CIELCh(83, 50.791, 76.251)

Have a look what the booklet for
CIELCh(83, 50.791, 76.251) contains.

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Color

CIELCh(83, 50.750, 76.369)

Conversions

Conversions Part 1

Format	Color
Hex	FFC471
RGB	255, 196, 113
RGB Percent	100%, 77%, 44%
CMY	0.0000, 0.2300, 0.5556
CMYK	0.00, 0.23, 0.56, 0.00
HSL	35°, 100%, 72%
HSV	35°, 56%, 100%
XYZ	64.1926, 62.1629, 24.3329
YIQ	204.1790, 61.8070, -13.3050

Conversions

Conversions Part 2

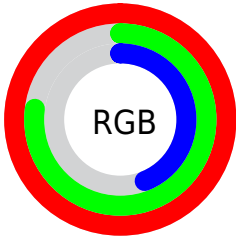
Format	Color
R_{YB}	214, 255, 113
Decimal	16761969
CIE Lab	83.00, 11.96, 49.32
CIE LCh	83, 50.750, 76.369
Yxy	62.1629, 0.4260, 0.4125
Android (android.graphics.Color)	4294952049 (0xFFFFC471)
YUV	204.1790, -44.9512, 44.5700
Hunter-Lab	78.8435, 7.3545, 36.8922

Details

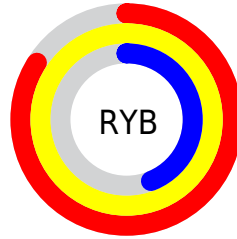
The CIELCh color **83, 50.750, 76.369** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **70, 47.134, 275.396**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.080, 105.825**, and **63, 50.606, 76.138** is the 20% darker color. If you saturate the color by 10%, you get **80, 60.165, 74.989**, and if you desaturate by 10%, it is **86, 41.049, 77.980**.

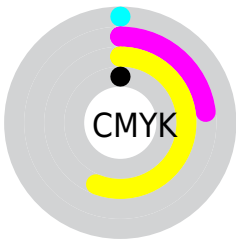
Distribution



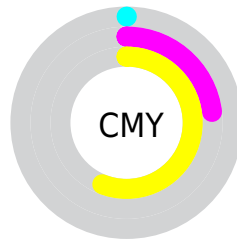
- Red (100%)
- Green (77%)
- Blue (44%)



- Red (84%)
- 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, 50.750, 76.369 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, 50.750, 76.369 by changing the saturation by 10% instead.

83, 50.750, 76.369

83, 50.750, 76.369

100, 50.750,
76.369

73, 50.750, 76.369

63, 50.750, 76.369

53, 50.750, 76.369

43, 50.750, 76.369

33, 50.750, 76.369

23, 50.750, 76.369

13, 50.750, 76.369

3, 50.750, 76.369

0, 50.750, 76.369

83, 50.750, 76.369

83, 50.750, 76.369

80, 60.165, 74.989

86, 41.049, 77.980

77, 69.085, 73.295

89, 31.567, 79.388

75, 76.598, 71.279

92, 22.326, 80.759

73, 81.610, 68.672

95, 13.366, 82.088

71, 83.149, 67.357

98, 4.692, 83.341

100, 0.012,
296.813

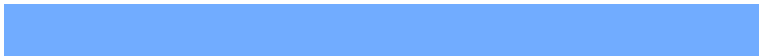
Harmonies

Complementary

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



83, 50.750, 76.369



70, 47.134, 275.396

Rectangle

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



83, 50.750, 76.369



83, 50.750, 126.369



83, 50.750, 256.369



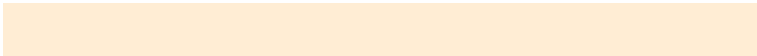
83, 50.750, 306.369

Sweetspot

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



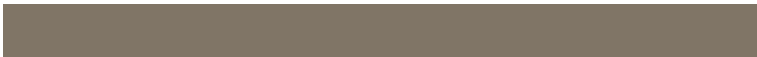
83, 50.662, 76.525



95, 14.639, 81.900



67, 59.847, 355.568



50, 9.824, 81.635



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, 50.662, 76.525



80, 61.501, 74.758



97, 68.767, 108.928



52, 4.834, 82.864



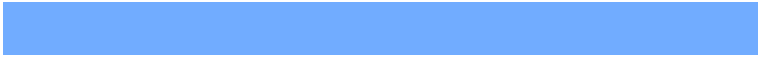
55, 66.872, 68.014



18, 27.278, 70.470

Inverse Universe

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



70, 47.134, 275.396



64, 57.036, 279.170



56, 80.613, 300.648



50, 4.785, 265.452



37, 68.805, 291.514



10, 27.670, 285.675

Previews

White Background



This preview shows how the CIELCh color 83, 50.750, 76.369 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 CIE LCh color 83, 50.750, 76.369 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, 50.750, 76.369

Background



This preview shows how black text looks on a background with the CIELCh color 83, 50.750, 76.369.



This preview shows how white text looks on a background with the CIELCh color 83, 50.750, 76.369.

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](#).

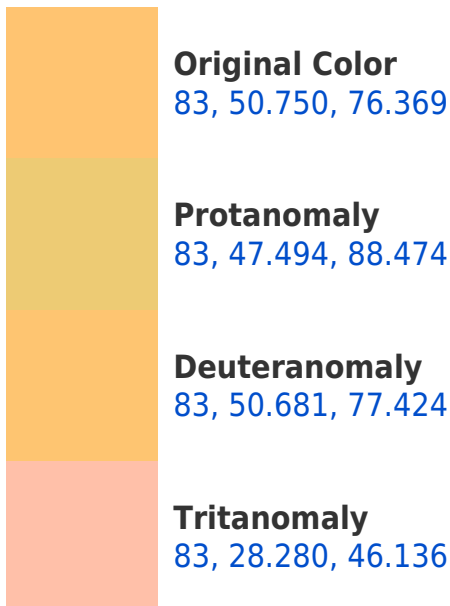
Dichromacy





Tritanopia
83, 25.648, 7.427

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 50.750, 76.369 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 50.750, 76.369 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, 113) }
```

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

```
.border{ border-color:rgb(255, 196, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 50.750, 76.369 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
196, 113) }
```

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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