

# Converting Colors

CIELCh(83, 53.133, 78.719)

Have a look what the booklet for  
CIELCh(83, 53.133, 78.719) contains.

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# **Color**

**CIELCh(83, 53.343, 78.554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEC56B
RGB	254, 197, 107
RGB Percent	100%, 77%, 42%
CMY	0.0033, 0.2269, 0.5798
CMYK	0.00, 0.22, 0.58, 0.00
HSL	37°, 99%, 71%
HSV	37°, 58%, 100%
XYZ	63.5910, 62.1629, 22.5948
YIQ	203.7830, 62.8620, -15.9060

# Conversions

## Conversions Part 2

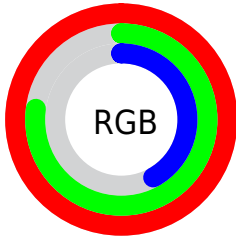
Format	Color
RYB	200, 254, 107
Decimal	16696683
CIELab	83.00, 10.59, 52.28
CIELCh	83, 53.343, 78.554
Yxy	62.1629, 0.4287, 0.4190
Android (android.graphics.Color)	4294886763 (0xFFFE56B)
YUV	203.7830, -47.7140, 44.0403
Hunter-Lab	78.8435, 5.9927, 38.1993

# Details

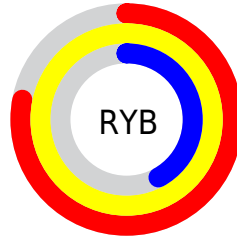
The CIELCh color **83, 53.343, 78.554** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **67, 50.879, 278.379**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 46.430, 106.132**, and **63, 53.437, 78.384** is the 20% darker color. If you saturate the color by 10%, you get **80, 62.643, 76.984**, and if you desaturate by 10%, it is **86, 43.767, 80.040**.

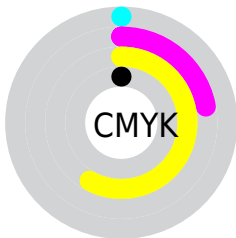
# Distribution



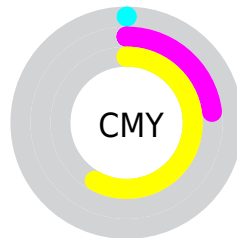
- Red (100%)
- Green (77%)
- Blue (42%)



- Red (78%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (58%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (58%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 53.343, 78.554 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, 53.343, 78.554 by changing the saturation by 10% instead.



 83, 53.343, 78.554

 83, 53.343, 78.554

 100, 53.343,  
78.554

 73, 53.343, 78.554

 63, 53.343, 78.554

 53, 53.343, 78.554

 43, 53.343, 78.554

 33, 53.343, 78.554

 23, 53.343, 78.554

 13, 53.343, 78.554

 3, 53.343, 78.554

 0, 53.343, 78.554

83, 53.343, 78.554

83, 53.343, 78.554

80, 62.643, 76.984

86, 43.767, 80.040

78, 71.108, 75.230

89, 34.214, 81.467

75, 77.832, 73.126

91, 24.832, 82.852

73, 81.856, 70.433

94, 15.685, 84.196

73, 82.544, 69.822

97, 6.791, 85.478

100, 0.292,  
201.655

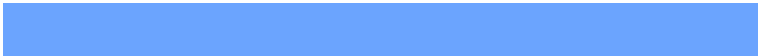
# Harmonies

# Complementary

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



83, 53.343, 78.554



67, 50.879, 278.379

# Rectangle

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



83, 53.343, 78.554



83, 53.343, 128.554



83, 53.343, 258.554



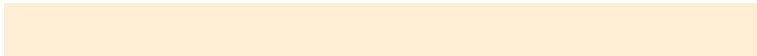
83, 53.343, 308.554

# Sweetspot

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



83, 53.343, 78.558



95, 14.963, 84.306



65, 61.498, 357.223



50, 10.038, 84.041



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, 53.343, 78.558



80, 63.848, 76.791



96, 71.101, 109.576



52, 4.948, 85.272



56, 66.594, 70.443



18, 27.485, 73.077





# Inverse Universe

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



67, 50.879, 278.379



62, 61.270, 282.091



54, 83.974, 301.428



50, 4.915, 267.845



35, 72.116, 293.357



9, 28.952, 287.745



# Previews

## White Background



This preview shows how the CIELCh color 83, 53.343, 78.554 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, 53.343, 78.554 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, 53.343, 78.554

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 53.343, 78.554.



This preview shows how white text looks on a background with the CIELCh color 83, 53.343, 78.554.

# 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, 53.343, 78.554

### Protanopia

83, 50.136, 95.586

### Deuteranopia

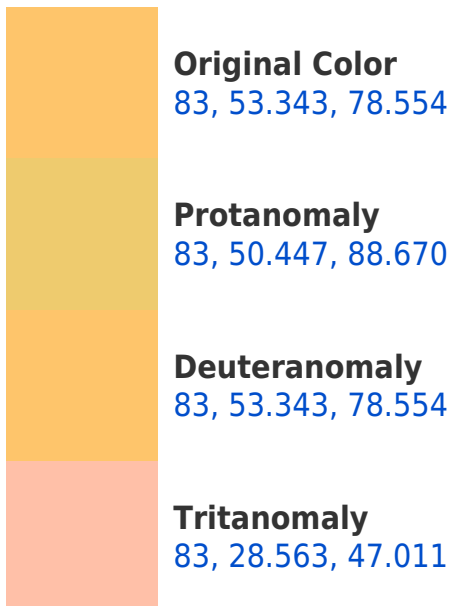
83, 53.343, 78.554



**Tritanopia**  
83, 25.733, 6.281



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 53.343, 78.554 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, 197, 107)` looks like.

```
.text, #text, p{  
    color:rgb(254, 197, 107)  
}
```

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, 197, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 197, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 53.343, 78.554 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, 197, 107) }
```

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

```
.border{ border-color:rgb(254, 197, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 197, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 197, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 197, 107);  
box-shadow:4px 4px 4px 4px rgb(254, 197,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 53.343, 78.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 197, 107) }
```

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

```
.background{ background-color: rgb(254,  
197, 107) }
```

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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