

Converting Colors

CIELCh(83, 55.498, 79.418)

Have a look what the booklet for
CIELCh(83, 55.498, 79.418) contains.

CIELCh(83, 55.542, 79.384)	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, 55.542, 79.384)

Conversions

Conversions Part 1

Format	Color
Hex	FEC566
RGB	254, 197, 102
RGB Percent	100%, 77%, 40%
CMY	0.0027, 0.2263, 0.5989
CMYK	0.00, 0.22, 0.60, 0.00
HSL	37°, 99%, 70%
HSV	37°, 60%, 100%
XYZ	63.4370, 62.1629, 21.2984
YIQ	203.2130, 64.4670, -17.4610

Conversions

Conversions Part 2

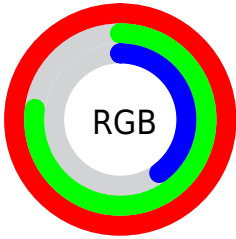
Format	Color
R _Y B	193, 254, 102
Decimal	16696678
CIE Lab	83.00, 10.23, 54.59
CIE LCh	83, 55.542, 79.384
Yxy	62.1629, 0.4318, 0.4232
Android (android.graphics.Color)	4294886758 (0xFFFE C566)
YUV	203.2130, -49.8980, 44.5402
Hunter-Lab	78.8435, 5.6440, 39.1741

Details

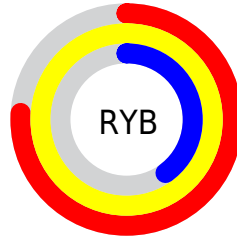
The CIELCh color **83, 55.542, 79.384** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 53.664, 280.030**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 48.825, 105.968**, and **63, 55.441, 79.064** is the 20% darker color. If you saturate the color by 10%, you get **80, 64.689, 77.788**, and if you desaturate by 10%, it is **86, 45.992, 80.884**.

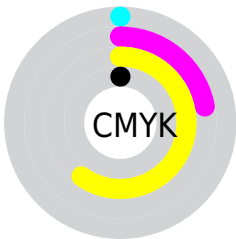
Distribution



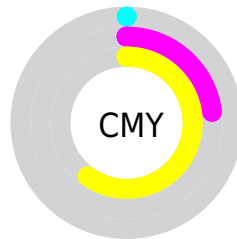
- Red (100%)
- Green (77%)
- Blue (40%)



- Red (76%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (22%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 55.542, 79.384 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, 55.542, 79.384 by changing the saturation by 10% instead.

 83, 55.542, 79.384

 83, 55.542, 79.384

 100, 55.542,
79.384

 73, 55.542, 79.384

 63, 55.542, 79.384

 53, 55.542, 79.384

 43, 55.542, 79.384

 33, 55.542, 79.384

 23, 55.542, 79.384

 13, 55.542, 79.384

 3, 55.542, 79.384

 0, 55.542, 79.384

■ 83, 55.542, 79.384

■ 83, 55.542, 79.384

■ 80, 64.689, 77.788

■ 86, 45.992, 80.884

■ 78, 72.802, 75.990

■ 88, 36.388, 82.321

■ 76, 78.921, 73.813

■ 91, 26.909, 83.714

■ 74, 82.390, 71.086

■ 94, 17.636, 85.065

■ 73, 82.457, 71.026

■ 97, 8.599, 86.362

100, 0.199,
269.304

100, 0.235,
202.217

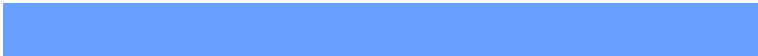
Harmonies

Complementary

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



83, 55.542, 79.384



66, 53.664, 280.030

Rectangle

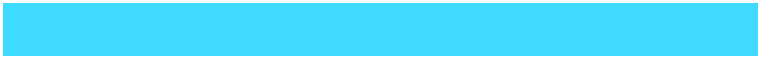
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 55.542, 79.384



83, 55.542, 129.384



83, 55.542, 259.384



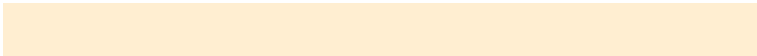
83, 55.542, 309.384

Sweetspot

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



83, 55.542, 79.388



95, 16.042, 85.301



64, 62.999, 358.869



50, 11.192, 84.915



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, 55.542, 79.388



80, 66.749, 77.410



96, 73.256, 110.258



52, 5.006, 86.397



57, 66.510, 71.632



18, 27.606, 74.325

Inverse Universe

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



66, 53.664, 280.030



59, 65.383, 284.171



53, 87.029, 302.128



50, 4.981, 268.958



35, 73.724, 294.192



9, 29.582, 288.690

Previews

White Background



This preview shows how the CIELCh color 83, 55.542, 79.384 looks on a white background.

Color Contrast Check

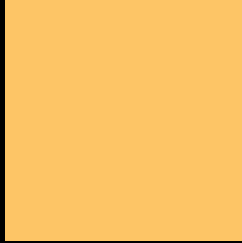
Large Text (above 18pt) WCAG AA × Fail

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, 55.542, 79.384 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, 55.542, 79.384

Background



This preview shows how black text looks on a background with the CIELCh color 83, 55.542, 79.384.



This preview shows how white text looks on a background with the CIELCh color 83, 55.542, 79.384.

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, 55.542, 79.384

Protanopia

83, 52.562, 95.334

Deuteranopia

83, 55.759, 78.997



Tritanopia
83, 25.648, 7.427

Trichromacy



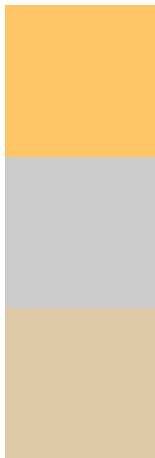
Original Color
83, 55.542, 79.384

Protanomaly
83, 52.756, 89.155

Deuteranomaly
83, 55.759, 78.997

Tritanomaly
83, 29.453, 49.525

Monochromacy



Original Color
83, 55.542, 79.384

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 20.101, 85.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 55.542, 79.384 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(254, 197, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 197, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 55.542, 79.384 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, 102) }
```

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

```
.border{ border-color:rgb(254, 197, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 197, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 197, 102);  
box-shadow:4px 4px 4px 4px rgb(254, 197,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 55.542, 79.384 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, 102) }
```

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

```
.background{ background-color: rgb(254,  
197, 102) }
```

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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