

Converting Colors

CIELCh(84, 42.351, 60.802)

Have a look what the booklet for
CIELCh(84, 42.351, 60.802) contains.

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Color

CIELCh(83, 38.329, 66.202)

Conversions

Conversions Part 1

Format	Color
Hex	FFC38E
RGB	255, 195, 142
RGB Percent	100%, 76%, 56%
CMY	0.0000, 0.2369, 0.4449
CMYK	0.00, 0.24, 0.44, 0.00
HSL	28°, 100%, 78%
HSV	28°, 44%, 100%
XYZ	65.7440, 62.1629, 33.9498
YIQ	206.8980, 52.7730, -3.7630

Conversions

Conversions Part 2

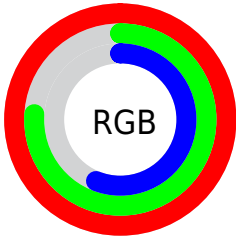
Format	Color
R _Y B	255, 242, 142
Decimal	16761742
CIE Lab	83.00, 15.47, 35.07
CIE LCh	83, 38.329, 66.202
Yxy	62.1629, 0.4062, 0.3841
Android (android.graphics.Color)	4294951822 (0xFFFFC38E)
YUV	206.8980, -31.9947, 42.1855
Hunter-Lab	78.8435, 10.8670, 29.6603

Details

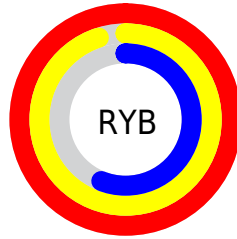
The CIELCh color **83, 38.329, 66.202** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **79, 32.575, 259.791**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 28.311, 105.703**, and **63, 37.935, 66.373** is the 20% darker color. If you saturate the color by 10%, you get **79, 47.909, 65.296**, and if you desaturate by 10%, it is **87, 28.788, 67.682**.

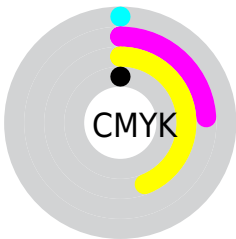
Distribution



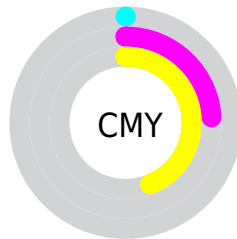
- Red (100%)
- Green (76%)
- Blue (56%)



- Red (100%)
- Yellow (95%)
- Blue (56%)



- Cyan (0%)
- Magenta (24%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 38.329, 66.202 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, 38.329, 66.202 by changing the saturation by 10% instead.

 83, 38.329, 66.202

 83, 38.329, 66.202

 100, 38.329,
66.202

 73, 38.329, 66.202

 63, 38.329, 66.202

 53, 38.329, 66.202

 43, 38.329, 66.202

 33, 38.329, 66.202

 23, 38.329, 66.202

 13, 38.329, 66.202

 3, 38.329, 66.202

 0, 38.329, 66.202

83, 38.329, 66.202

83, 38.329, 66.202

79, 47.909, 65.296

87, 28.788, 67.682

76, 57.939, 64.069

90, 19.895, 68.875

73, 67.872, 62.725

94, 11.460, 70.057

70, 76.969, 61.070

98, 3.455, 71.151

67, 84.008, 58.744

100, 0.012,
296.813

65, 86.908, 57.183

Harmonies

Complementary

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



83, 38.329, 66.202



79, 32.575, 259.791

Rectangle

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



83, 38.329, 66.202



83, 38.329, 116.202



83, 38.329, 246.202



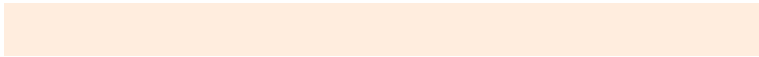
83, 38.329, 296.202

Sweetspot

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



83, 38.141, 66.491



95, 10.243, 70.229



73, 51.539, 346.326



50, 7.210, 69.972



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, 38.141, 66.491



80, 46.434, 65.475



97, 54.432, 104.367



51, 4.438, 70.629



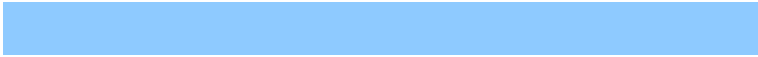
50, 69.690, 57.893



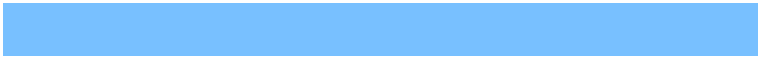
15, 27.073, 58.606

Inverse Universe

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



79, 32.575, 259.791



75, 38.361, 262.187



64, 60.948, 295.252



51, 4.318, 253.089



43, 54.590, 280.809



13, 22.382, 274.007

Previews

White Background



This preview shows how the CIELCh color 83, 38.329, 66.202 looks on a white background.

Color Contrast Check

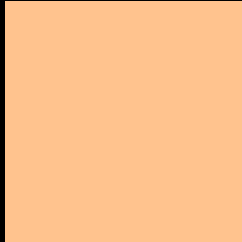
Large Text (above 18pt) WCAG AA × Fail

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, 38.329, 66.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

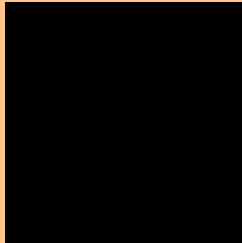
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 38.329, 66.202

Background



This preview shows how black text looks on a background with the CIELCh color 83, 38.329, 66.202.



This preview shows how white text looks on a background with the CIELCh color 83, 38.329, 66.202.

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, 37.989, 66.671

Protanopia

83, 32.030, 95.711

Deuteranopia

83, 36.600, 73.766



Tritanopia
83, 25.733, 6.281

Trichromacy



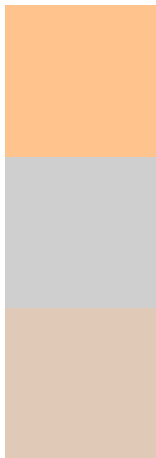
Original Color
83, 37.989, 66.671

Protanomaly
83, 32.992, 83.286

Deuteranomaly
83, 37.227, 71.300

Tritanomaly
83, 25.944, 34.037

Monochromacy



Original Color
83, 37.989, 66.671

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 13.138, 69.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 38.329, 66.202 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, 195, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 142)  
}
```

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, 195, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 38.329, 66.202 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, 195, 142) }
```

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

```
.border{ border-color:rgb(255, 195, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 195, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 38.329, 66.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 142) }
```

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

```
.background{ background-color: rgb(255,  
195, 142) }
```

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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