

Converting Colors

CIELCh(93, 72.691, 48.935)

Have a look what the booklet for
CIELCh(93, 72.691, 48.935) contains.

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Color

CIELCh(83, 42.247, 70.525)

Conversions

Conversions Part 1

Format	Color
Hex	FFC384
RGB	255, 195, 132
RGB Percent	100%, 76%, 52%
CMY	0.0000, 0.2341, 0.4812
CMYK	0.00, 0.23, 0.48, 0.00
HSL	31°, 100%, 76%
HSV	31°, 48%, 100%
XYZ	65.1298, 62.1629, 30.4992
YIQ	205.7580, 55.9830, -6.8730

Conversions

Conversions Part 2

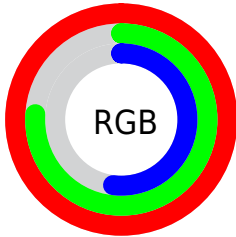
Format	Color
R _Y B	249, 255, 132
Decimal	16761732
CIE Lab	83.00, 14.08, 39.83
CIE LCh	83, 42.247, 70.525
Yxy	62.1629, 0.4128, 0.3940
Android (android.graphics.Color)	4294951812 (0xFFFFC384)
YUV	205.7580, -36.3627, 43.1852
Hunter-Lab	78.8435, 9.4765, 32.2552

Details

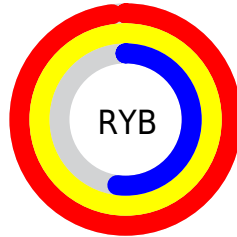
The CIELCh color $83, 42.247, 70.525$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $76, 37.071, 266.028$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 33.290, 105.637$, and $63, 42.371, 70.159$ is the 20% darker color. If you saturate the color by 10%, you get $80, 51.900, 69.325$, and if you desaturate by 10%, it is $86, 32.679, 71.994$.

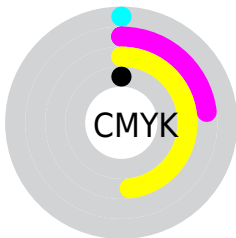
Distribution



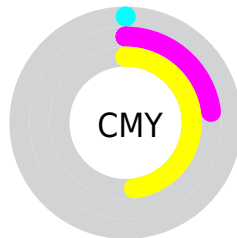
- Red (100%)
- Green (76%)
- Blue (52%)



- Red (98%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (23%)
- Yellow (48%)
- Black (0%)

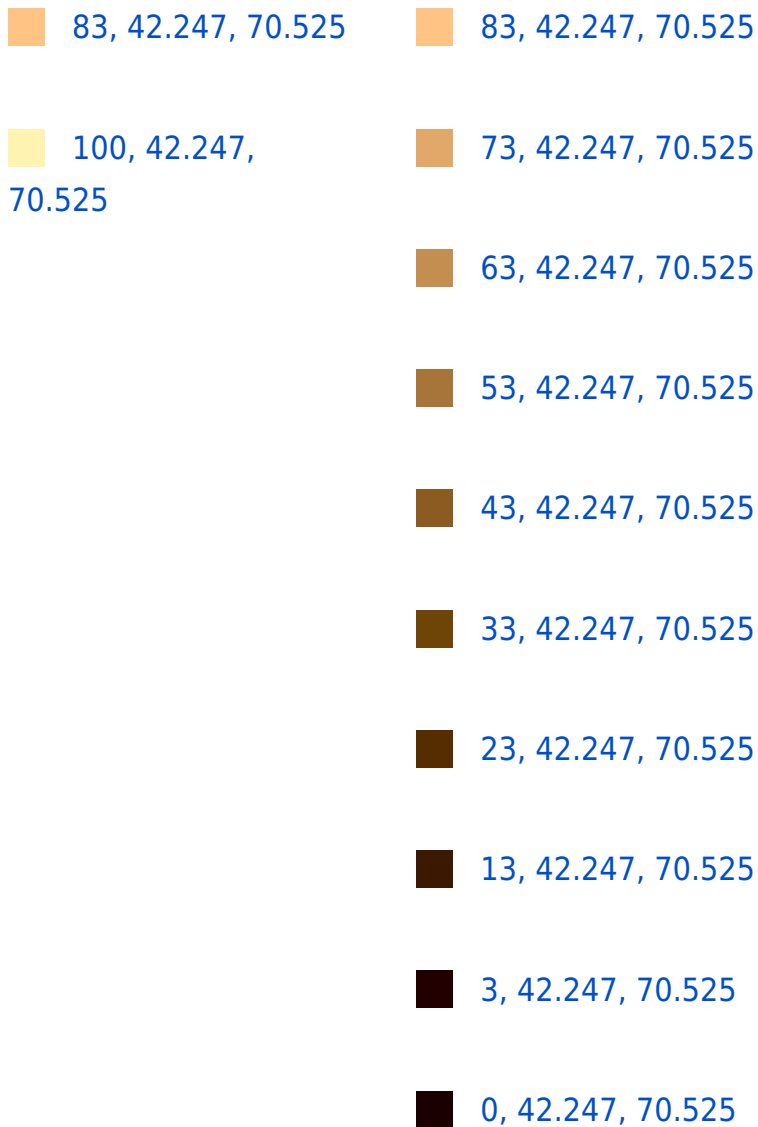


- Cyan (0%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 42.247, 70.525 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, 42.247, 70.525 by changing the saturation by 10% instead.



83, 42.247, 70.525

83, 42.247, 70.525

80, 51.900, 69.325

86, 32.679, 71.994

77, 61.671, 67.896

90, 23.566, 73.294

74, 70.963, 66.277

93, 14.844, 74.572

71, 78.858, 64.239

97, 6.502, 75.802

68, 84.230, 61.457

100, 0.012,
296.813

68, 85.107, 60.916

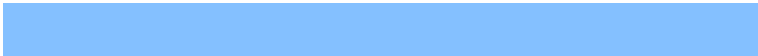
Harmonies

Complementary

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



83, 42.247, 70.525



76, 37.071, 266.028

Rectangle

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



83, 42.247, 70.525



83, 42.247, 120.525



83, 42.247, 250.525



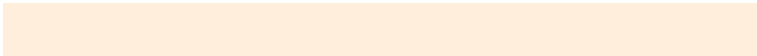
83, 42.247, 300.525

Sweetspot

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



83, 42.156, 70.676



95, 11.361, 75.088



71, 54.495, 348.818



50, 7.882, 74.819



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, 42.156, 70.676



80, 51.781, 69.342



98, 60.292, 105.563



51, 4.567, 75.638



52, 68.321, 61.623



16, 27.011, 63.186

Inverse Universe

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



76, 37.071, 266.028



71, 44.373, 269.019



61, 68.926, 297.202



50, 4.475, 258.193



41, 59.911, 285.490



12, 24.322, 279.044

Previews

White Background



This preview shows how the CIELCh color 83, 42.247, 70.525 looks on a white background.

Color Contrast Check

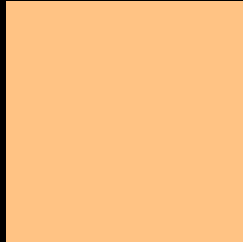
Large Text (above 18pt) WCAG AA × Fail

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, 42.247, 70.525 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, 42.247, 70.525

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.247, 70.525.



This preview shows how white text looks on a background with the CIELCh color 83, 42.247, 70.525.

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, 42.247, 70.525

Protanopia

83, 37.221, 95.475

Deuteranopia

83, 41.137, 75.736



Tritanopia
83, 25.733, 6.281

Trichromacy



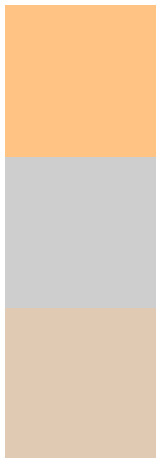
Original Color
83, 42.247, 70.525

Protanomaly
83, 38.254, 86.016

Deuteranomaly
83, 41.464, 73.966

Tritanomaly
83, 26.512, 37.211

Monochromacy



Original Color
83, 42.247, 70.525

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 14.853, 74.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.247, 70.525 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.247, 70.525 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, 132) }
```

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

```
.border{ border-color:rgb(255, 195, 132) }
```

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, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.247, 70.525 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, 132) }
```

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

```
.background{ background-color: rgb(255,  
195, 132) }
```

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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