

Converting Colors

CIELCh(83, 16.698, 13.515)

Have a look what the booklet for
CIELCh(83, 16.698, 13.515) contains.

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Color

CIELCh(83, 16.698, 13.515)

Conversions

Conversions Part 1

Format	Color
Hex	F0C4C8
RGB	240, 196, 200
RGB Percent	94%, 77%, 78%
CMY	0.0589, 0.2314, 0.2158
CMYK	0.00, 0.18, 0.17, 0.06
HSL	355°, 59%, 85%
HSV	355°, 18%, 94%
XYZ	66.0878, 62.1629, 63.1480
YIQ	209.6120, 24.9400, 10.5720

Conversions

Conversions Part 2

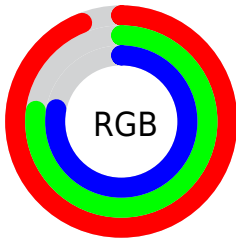
Format	Color
R _Y B	240, 196, 200
Decimal	15779016
CIE Lab	83.00, 16.24, 3.90
CIE LCh	83, 16.698, 13.515
Yxy	62.1629, 0.3453, 0.3248
Android (android.graphics.Color)	4293969096 (0xFFFF0C4C8)
YUV	209.6120, -4.7387, 26.6503
Hunter-Lab	78.8435, 11.6453, 7.7034

Details

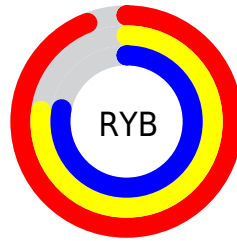
The CIELCh color **83, 16.698, 13.515** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92, 15.113, 190.542**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.250, 324.238**, and **63, 16.576, 13.418** is the 20% darker color. If you saturate the color by 10%, you get **77, 26.637, 14.745**, and if you desaturate by 10%, it is **89, 7.339, 12.497**.

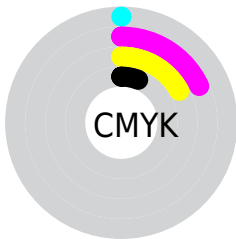
Distribution



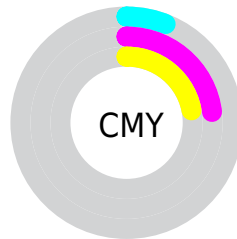
- Red (94%)
- Green (77%)
- Blue (78%)



- Red (94%)
- Yellow (77%)
- Blue (78%)



- Cyan (0%)
- Magenta (18%)
- Yellow (17%)
- Black (6%)



- Cyan (6%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 16.698, 13.515 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, 16.698, 13.515 by changing the saturation by 10% instead.

83, 16.698, 13.515

83, 16.698, 13.515

100, 16.698,
13.515

73, 16.698, 13.515

63, 16.698, 13.515

53, 16.698, 13.515

43, 16.698, 13.515

33, 16.698, 13.515

23, 16.698, 13.515

13, 16.698, 13.515

3, 16.698, 13.515

0, 16.698, 13.515

83, 16.698, 13.515

83, 16.698, 13.515

77, 26.637, 14.745

89, 7.339, 12.497

71, 37.080, 16.270

96, 1.416, 192.212

65, 47.853, 18.205

99, 5.169, 199.206

61, 58.678, 20.679

57, 69.197, 23.821

53, 79.036, 27.690

51, 87.832, 32.120

50, 95.006, 36.423

50, 96.029, 36.995

Harmonies

Complementary

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



83, 16.698, 13.515



92, 15.113, 190.542

Rectangle

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



83, 16.698, 13.515



83, 16.698, 63.515



83, 16.698, 193.515



83, 16.698, 243.515

Sweetspot

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



83, 16.696, 13.522



97, 4.575, 12.156



84, 27.104, 322.602



51, 3.129, 12.233



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, 16.696, 13.522



85, 21.305, 13.950



87, 13.626, 61.994



47, 5.019, 12.609



38, 77.885, 36.282



8, 29.388, 20.131

Inverse Universe

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



83, 16.696, 13.522



85, 21.305, 13.950



87, 12.592, 246.185



47, 5.019, 12.609



38, 77.885, 36.282



8, 29.388, 20.131

Previews

White Background



This preview shows how the CIELCh color 83, 16.698, 13.515 looks on a white background.

Color Contrast Check

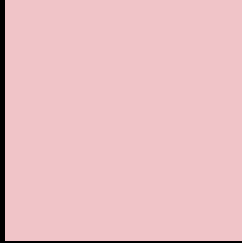
Large Text (above 18pt) WCAG AA × Fail

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, 16.698, 13.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

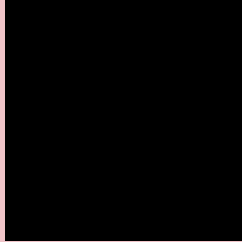
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 16.698, 13.515

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.698, 13.515.

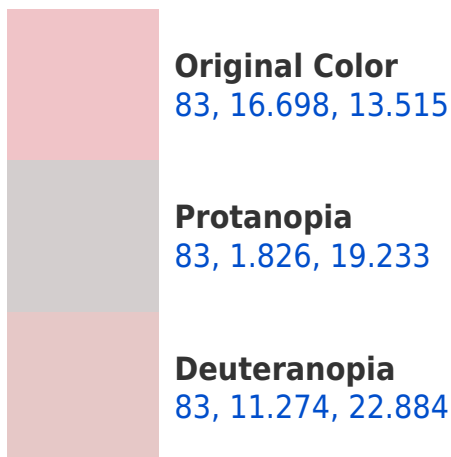


This preview shows how white text looks on a background with the CIELCh color 83, 16.698, 13.515.

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, 19.292, 355.169

Trichromacy



Original Color
83, 16.698, 13.515

Protanomaly
83, 7.476, 11.825

Deuteranomaly
83, 13.171, 20.387

Tritanomaly
83, 18.071, 2.257

Monochromacy



Original Color
83, 16.698, 13.515

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 5.919, 14.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.698, 13.515 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(240, 196, 200)` looks like.

```
.text, #text, p{  
    color:rgb(240, 196, 200)  
}
```

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(240, 196, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 196, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.698, 13.515 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(240, 196, 200) }
```

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

```
.border{ border-color:rgb(240, 196, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 196, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 196, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 196, 200);  
box-shadow:4px 4px 4px 4px rgb(240, 196,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.698, 13.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 196, 200) }
```

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

```
.background{ background-color: rgb(240,  
196, 200) }
```

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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