

Converting Colors

CIELCh(83, 4.645, 15.450)

Have a look what the booklet for
CIELCh(83, 4.645, 15.450) contains.

CIELCh(83, 4.416, 19.613)	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, 4.416, 19.613)

Conversions

Conversions Part 1

Format	Color
Hex	D8CCCC
RGB	216, 204, 204
RGB Percent	85%, 80%, 80%
CMY	0.1528, 0.1999, 0.1999
CMYK	0.00, 0.06, 0.06, 0.15
HSL	0°, 13%, 82%
HSV	0°, 6%, 85%
XYZ	60.8288, 62.1629, 65.9368
YIQ	207.5880, 7.1520, 2.5440

Conversions

Conversions Part 2

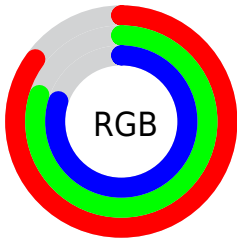
Format	Color
RYB	216, 204, 204
Decimal	14208204
CIELab	83.00, 4.16, 1.48
CIELCh	83, 4.416, 19.613
Yxy	62.1629, 0.3220, 0.3290
Android (android.graphics.Color)	4292398284 (0xFFD8CCCC)
YUV	207.5880, -1.7689, 7.3773
Hunter-Lab	78.8435, -0.2610, 5.6062

Details

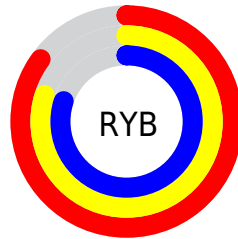
The CIELCh color **83, 4.416, 19.613** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 4.263, 199.263**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 4.295, 19.710** is the 20% darker color. If you saturate the color by 10%, you get **77, 12.860, 20.456**, and if you desaturate by 10%, it is **89, 3.394, 199.374**.

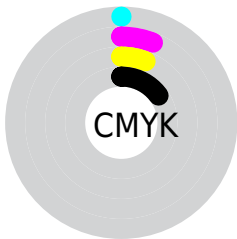
Distribution



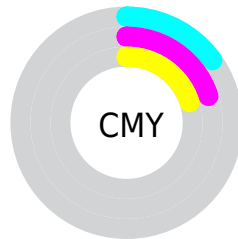
- Red (85%)
- Green (80%)
- Blue (80%)



- Red (85%)
- Yellow (80%)
- Blue (80%)



- Cyan (0%)
- Magenta (6%)
- Yellow (6%)
- Black (15%)



- Cyan (15%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 4.416, 19.613 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, 4.416, 19.613 by changing the saturation by 10% instead.

 83, 4.416, 19.613	 83, 4.416, 19.613
 100, 4.416, 19.613	 73, 4.416, 19.613
	 63, 4.416, 19.613
	 53, 4.416, 19.613
	 43, 4.416, 19.613
	 33, 4.416, 19.613
	 23, 4.416, 19.613
	 13, 4.416, 19.613
	 3, 4.416, 19.613
	 0, 4.416, 19.613

83, 4.416, 19.613

83, 4.416, 19.613

77, 12.860, 20.456

89, 3.394, 199.374

71, 21.965, 21.422

95, 10.615,
198.808

66, 31.709, 22.668

97, 13.083,
198.632

61, 41.997, 24.294

56, 52.640, 26.413

52, 63.344, 29.120

49, 73.695, 32.414

47, 83.029, 35.995

45, 89.897, 38.942

Harmonies

Complementary

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



83, 4.416, 19.613



85, 4.263, 199.263

Rectangle

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



83, 4.416, 19.613



83, 4.416, 69.613



83, 4.416, 199.613



83, 4.416, 249.613

Sweetspot

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



83, 4.414, 19.638



99, 1.794, 19.184



83, 7.716, 324.710



53, 1.020, 19.159



0, 0.000, 0.000



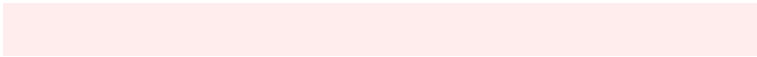
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 4.414, 19.638



95, 6.402, 19.766



85, 3.826, 74.645



43, 3.612, 19.804



35, 77.345, 39.902



5, 21.995, 19.782

Inverse Universe

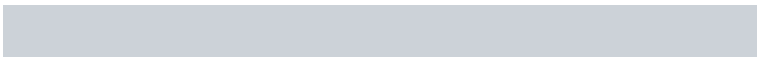
The Inverse Universe completely reimagines the original color for something new.



85, 4.263, 199.263



99, 6.125, 199.152



84, 3.788, 256.220



45, 3.445, 199.121



63, 37.106, 196.434



15, 14.553, 196.425

Previews

White Background



This preview shows how the CIELCh color 83, 4.416, 19.613 looks on a white background.

Color Contrast Check

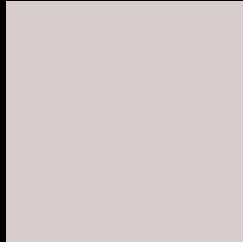
Large Text (above 18pt) WCAG AA × Fail

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, 4.416, 19.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

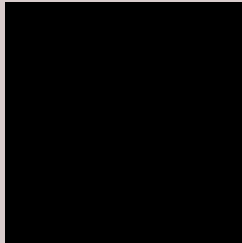
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 4.416, 19.613

Background



This preview shows how black text looks on a background with the CIELCh color 83, 4.416, 19.613.

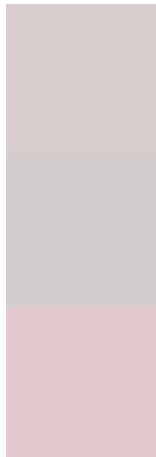


This preview shows how white text looks on a background with the CIELCh color 83, 4.416, 19.613.

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, 4.416, 19.613

Protanopia

83, 1.896, 35.368

Deuteranopia

83, 10.350, 5.463



Tritanopia
83, 10.282, 324.817

Trichromacy



Original Color
83, 4.416, 19.613

Protanomaly
83, 2.931, 19.435

Deuteranomaly
83, 8.405, 5.500

Tritanomaly
83, 7.365, 334.099

Monochromacy



Original Color
83, 4.416, 19.613

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.458, 19.126

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 83, 4.416, 19.613 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(216, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 204, 204)  
}
```

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(216, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 204, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 4.416, 19.613 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(216, 204, 204) }
```

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

```
.border{ border-color:rgb(216, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 204,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 4.416, 19.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 204, 204) }
```

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

```
.background{ background-color: rgb(216,  
204, 204) }
```

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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