

Converting Colors

CIELCh(83, 4.824, 49.565)

Have a look what the booklet for
CIELCh(83, 4.824, 49.565) contains.

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Color

CIELCh(83, 4.838, 52.477)

Conversions

Conversions Part 1

Format	Color
Hex	D8CDC8
RGB	216, 205, 200
RGB Percent	85%, 80%, 78%
CMY	0.1545, 0.1976, 0.2172
CMYK	0.00, 0.05, 0.07, 0.15
HSL	19°, 17%, 81%
HSV	19°, 7%, 85%
XYZ	60.3165, 62.1629, 63.2221
YIQ	207.7190, 8.1610, 0.7770

Conversions

Conversions Part 2

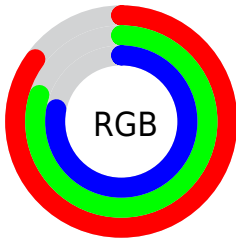
Format	Color
R _Y B	216, 207, 200
Decimal	14208456
CIE Lab	83.00, 2.95, 3.84
CIE LCh	83, 4.838, 52.477
Yxy	62.1629, 0.3248, 0.3347
Android (android.graphics.Color)	4292398536 (0xFFD8CDC8)
YUV	207.7190, -3.8055, 7.2624
Hunter-Lab	78.8435, -1.4208, 7.6477

Details

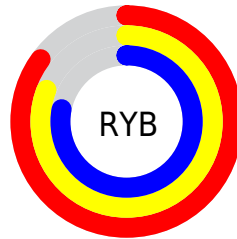
The CIELCh color **83, 4.838, 52.477** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 4.660, 233.834**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 4.816, 54.893** is the 20% darker color. If you saturate the color by 10%, you get **79, 11.792, 51.901**, and if you desaturate by 10%, it is **87, 1.632, 233.653**.

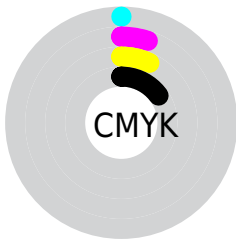
Distribution



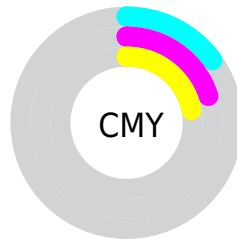
- Red (85%)
- Green (80%)
- Blue (78%)



- Red (85%)
- Yellow (81%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (15%)



- Cyan (15%)
- Magenta (20%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 4.838, 52.477 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, 4.838, 52.477 by changing the saturation by 10% instead.

■ 83, 4.838, 52.477

■ 83, 4.838, 52.477

■ 100, 4.838, 52.477

■ 73, 4.838, 52.477

■ 63, 4.838, 52.477

■ 53, 4.838, 52.477

■ 43, 4.838, 52.477

■ 33, 4.838, 52.477

■ 23, 4.838, 52.477

■ 13, 4.838, 52.477

■ 3, 4.838, 52.477

■ 0, 4.838, 52.477

83, 4.838, 52.477

83, 4.838, 52.477

79, 11.792, 51.901

87, 1.632, 233.653

75, 19.281, 51.313

92, 7.669, 234.140

71, 27.345, 50.800

96, 11.551,
214.123

67, 36.005, 50.387

97, 13.220,
198.623

63, 45.233, 50.084

59, 54.907, 49.870

56, 64.713, 49.651

53, 73.929, 49.172

51, 81.288, 47.971

Harmonies

Complementary

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



83, 4.838, 52.477



84, 4.660, 233.834

Rectangle

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



83, 4.838, 52.477



83, 4.838, 102.477



83, 4.838, 232.477



83, 4.838, 282.477

Sweetspot

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



83, 4.838, 52.506



99, 1.462, 52.587



82, 8.343, 334.747



53, 0.831, 52.572



0, 0.000, 0.000



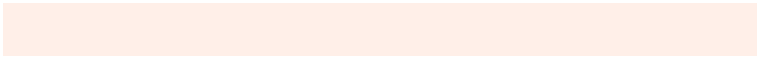
53, 0.007, 296.813

Same Dimension

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



83, 4.838, 52.506



96, 6.768, 52.412



85, 6.795, 99.542



43, 3.709, 52.392



40, 69.409, 48.252



7, 18.197, 38.903

Inverse Universe

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



84, 4.660, 233.834



97, 6.457, 233.959



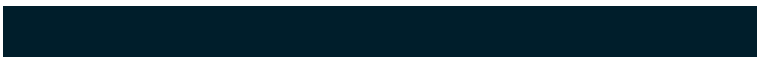
82, 6.864, 281.300



43, 3.532, 233.986



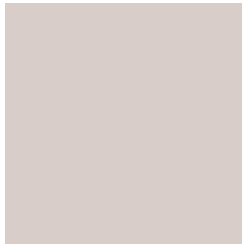
47, 36.923, 258.133



10, 13.354, 247.119

Previews

White Background



This preview shows how the CIELCh color 83, 4.838, 52.477 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, 4.838, 52.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

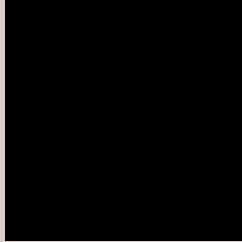
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

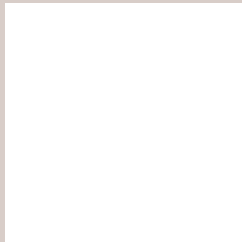
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 4.838, 52.477

Background



This preview shows how black text looks on a background with the CIELCh color 83, 4.838, 52.477.

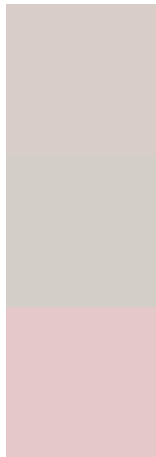


This preview shows how white text looks on a background with the CIELCh color 83, 4.838, 52.477.

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, 4.838, 52.477

Protanopia

83, 3.841, 74.635

Deuteranopia

83, 10.851, 17.428



Tritanopia
83, 10.282, 324.817

Trichromacy



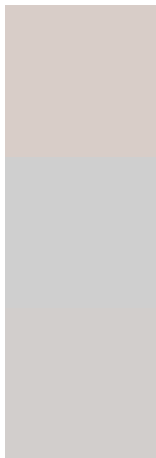
Original Color
83, 4.838, 52.477

Protanomaly
83, 3.943, 61.314

Deuteranomaly
83, 8.274, 27.245

Tritanomaly
83, 6.651, 340.430

Monochromacy



Original Color
83, 4.838, 52.477

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.791, 55.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 4.838, 52.477 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, 205, 200)` looks like.

```
.text, #text, p{  
    color:rgb(216, 205, 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(216, 205, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 205, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 4.838, 52.477 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, 205, 200) }
```

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

```
.border{ border-color:rgb(216, 205, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 205, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 205, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 205, 200);  
box-shadow:4px 4px 4px 4px rgb(216, 205,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 4.838, 52.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 205, 200) }
```

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

```
.background{ background-color: rgb(216,  
205, 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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