

Converting Colors

CIELCh(83, 4.821, 275.074)

Have a look what the booklet for
CIELCh(83, 4.821, 275.074) contains.

CIELCh(83, 4.945, 273.923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 4.945, 273.923)

Conversions

Conversions Part 1

Format	Color
Hex	CBCFD8
RGB	203, 207, 216
RGB Percent	80%, 81%, 85%
CMY	0.2046, 0.1889, 0.1536
CMYK	0.06, 0.04, 0.00, 0.15
HSL	222°, 14%, 82%
HSV	222°, 6%, 85%
XYZ	59.2247, 62.1629, 73.7250
YIQ	206.8300, -5.2730, 1.9510

Conversions

Conversions Part 2

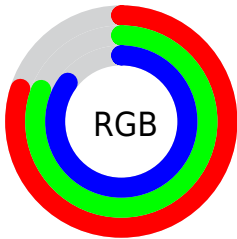
Format	Color
R _Y B	203, 206, 216
Decimal	13357016
CIE Lab	83.00, 0.34, -4.93
CIE LCh	83, 4.945, 273.923
Yxy	62.1629, 0.3035, 0.3186
Android (android.graphics.Color)	4291547096 (0xFFCBCFD8)
YUV	206.8300, 4.5208, -3.3589
Hunter-Lab	78.8435, -3.8927, -0.2505

Details

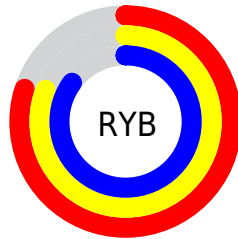
The CIELCh color $83, 4.945, 273.923$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85, 4.925, 92.322$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 4.692, 272.106$ is the 20% darker color. If you saturate the color by 10%, you get $78, 13.261, 275.294$, and if you desaturate by 10%, it is $88, 3.219, 92.562$.

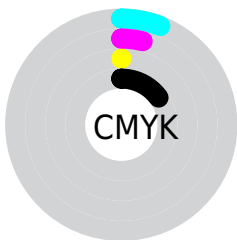
Distribution



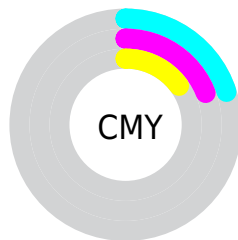
- Red (80%)
- Green (81%)
- Blue (85%)



- Red (80%)
- Yellow (81%)
- Blue (85%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 4.945, 273.923 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, 4.945, 273.923 by changing the saturation by 10% instead.

■ 83, 4.945, 273.923

■ 83, 4.945, 273.923

■ 100, 4.945,
273.923

■ 73, 4.945, 273.923

■ 63, 4.945, 273.923

■ 53, 4.945, 273.923

■ 43, 4.945, 273.923

■ 33, 4.945, 273.923

■ 23, 4.945, 273.923

■ 13, 4.945, 273.923

■ 3, 4.945, 273.923

■ 0, 4.945, 273.923

83, 4.945, 273.923

83, 4.945, 273.923

78, 13.261,
275.294

88, 3.219, 92.562

72, 21.739,
276.944

94, 11.228, 91.558

67, 30.389,
278.880

98, 18.187,
104.873

61, 39.232,
281.140

99, 19.800,
108.679

56, 48.297,
283.759

51, 57.620,
286.741

46, 67.217,
290.042

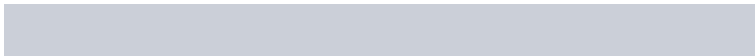
41, 77.030,
293.543

■ 37, 86.831,
297.036

Harmonies

Complementary

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



83, 4.945, 273.923



85, 4.925, 92.322

Rectangle

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



83, 4.945, 273.923



83, 4.945, 323.923



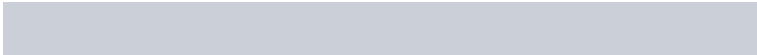
83, 4.945, 93.923



83, 4.945, 143.923

Sweetspot

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



83, 4.944, 273.904



99, 1.880, 273.489



85, 5.159, 174.363



53, 1.069, 273.484



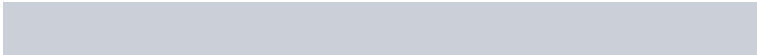
0, 0.000, 0.000



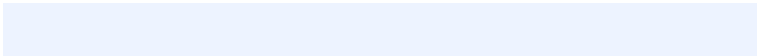
53, 0.007, 296.813

Same Dimension

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



83, 4.944, 273.904



96, 6.583, 274.035



82, 6.960, 297.781



43, 3.708, 274.095



28, 74.908, 297.752



4, 21.728, 285.365

Inverse Universe

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



83, 5.226, 355.876



95, 6.969, 355.992



86, 6.857, 116.934



43, 3.927, 356.043



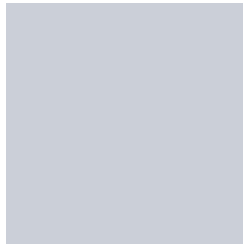
36, 64.597, 20.029



5, 22.304, 5.826

Previews

White Background



This preview shows how the CIELCh color 83, 4.945, 273.923 looks on a white background.

Color Contrast Check

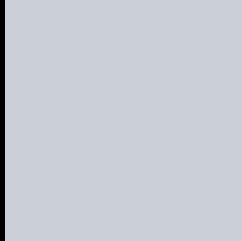
Large Text (above 18pt) WCAG AA × Fail

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, 4.945, 273.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

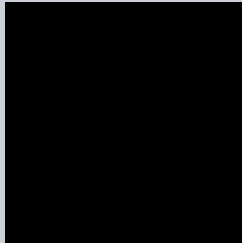
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

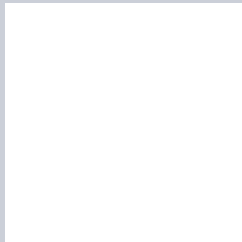
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 4.945, 273.923

Background



This preview shows how black text looks on a background with the CIELCh color 83, 4.945, 273.923.



This preview shows how white text looks on a background with the CIELCh color 83, 4.945, 273.923.

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, 4.945, 273.923

Protanopia

83, 5.419, 302.060

Deuteranopia

83, 12.046, 332.104



Tritanopia
83, 8.481, 286.171

Trichromacy



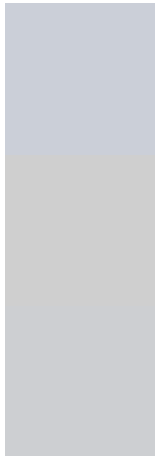
Original Color
83, 4.945, 273.923

Protanomaly
83, 4.764, 290.604

Deuteranomaly
83, 9.259, 321.063

Tritanomaly
83, 7.428, 285.385

Monochromacy



Original Color
83, 4.945, 273.923

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.738, 265.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 4.945, 273.923 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(203, 207, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 207, 216)  
}
```

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(203, 207, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 207, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 4.945, 273.923 is called "border". The border property can be set on classes, ids or directly on the HTML element.

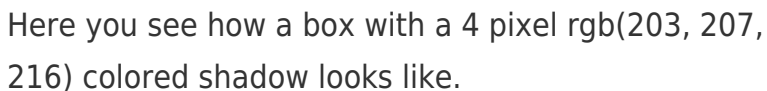
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 207, 216) }
```

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

```
.border{ border-color:rgb(203, 207, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 207, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 207, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 207, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 207,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 4.945, 273.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 207, 216) }
```

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

```
.background{ background-color: rgb(203,  
207, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor