

Converting Colors

CIELCh(83, 13.133, 289.746)

Have a look what the booklet for
CIELCh(83, 13.133, 289.746)
contains.

CIELCh(83, 13.227, 289.828)	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, 13.227, 289.828)

Conversions

Conversions Part 1

Format	Color
Hex	CCCDE6
RGB	204, 205, 230
RGB Percent	80%, 80%, 90%
CMY	0.2003, 0.1964, 0.0983
CMYK	0.11, 0.11, 0.00, 0.10
HSL	238°, 34%, 85%
HSV	238°, 11%, 90%
XYZ	60.9673, 62.1629, 83.5923
YIQ	207.5510, -8.6210, 7.5630

Conversions

Conversions Part 2

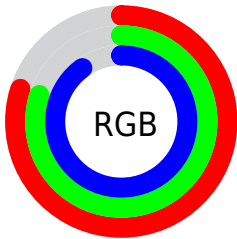
Format	Color
RYB	204, 205, 230
Decimal	13422054
CIELab	83.00, 4.49, -12.44
CIELCh	83, 13.227, 289.828
Yxy	62.1629, 0.2949, 0.3007
Android (android.graphics.Color)	4291612134 (0xFFCCCE6)
YUV	207.5510, 11.0674, -3.1142
Hunter-Lab	78.8435, 0.0526, -7.6707

Details

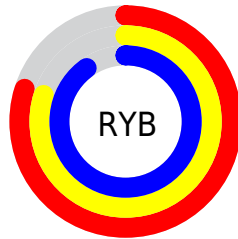
The CIELCh color `83, 13.227, 289.828` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 12.910, 107.465`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 12.874, 289.963` is the 20% darker color. If you saturate the color by 10%, you get `76, 25.414, 291.105`, and if you desaturate by 10%, it is `90, 1.509, 288.785`.

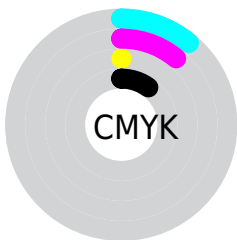
Distribution



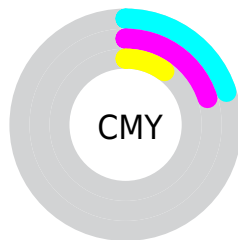
- Red (80%)
- Green (80%)
- Blue (90%)



- Red (80%)
- Yellow (80%)
- Blue (90%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (10%)





- Cyan (20%)
- Magenta (20%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 13.227, 289.828 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, 13.227, 289.828 by changing the saturation by 10% instead.


 83, 13.227,
289.828


 83, 13.227,
289.828


 100, 13.227,
289.828


 73, 13.227,
289.828

 63, 13.227,
289.828

 53, 13.227,
289.828

 43, 13.227,
289.828

 33, 13.227,
289.828

 23, 13.227,
289.828

 13, 13.227,

289.828

■ 3, 13.227, 289.828

■ 0, 13.227, 289.828

■ 83, 13.227,
289.828

■ 83, 13.227,
289.828

■ 76, 25.414,
291.105

■ 90, 1.509, 288.785

■ 68, 38.114,
292.617

■ 98, 9.771, 107.791

■ 61, 51.356,
294.383

■ 99, 12.690,
109.218

■ 54, 65.131,
296.413

■ 47, 79.306,

298.670

■ 40, 93.449,
301.034

■ 35, 106.543,
303.266

■ 31, 116.841,
305.032

■ 29, 122.160,
305.934

Harmonies

Complementary

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



83, 13.227, 289.828



90, 12.910, 107.465

Rectangle

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



83, 13.227, 289.828



83, 13.227, 339.828



83, 13.227, 109.828



83, 13.227, 159.828

Sweetspot

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



83, 13.225, 289.824



98, 3.764, 288.926



89, 9.064, 194.558



52, 2.856, 289.004



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, 13.225, 289.824



89, 17.903, 290.158



84, 14.400, 307.837



44, 6.610, 289.609



22, 100.608, 305.804



3, 32.772, 296.033

Inverse Universe

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



84, 9.672, 16.977



90, 13.159, 17.230



90, 14.149, 126.783



45, 4.818, 16.813



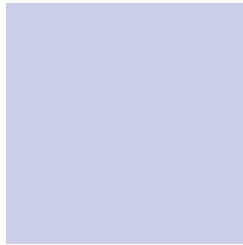
37, 78.307, 38.395



6, 26.980, 20.169

Previews

White Background



This preview shows how the CIELCh color 83, 13.227, 289.828 looks on a white background.

Color Contrast Check

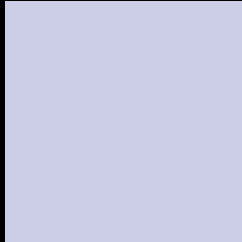
Large Text (above 18pt) WCAG AA × Fail

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, 13.227, 289.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

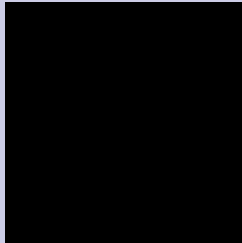
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 13.227, 289.828

Background



This preview shows how black text looks on a background with the CIELCh color 83, 13.227, 289.828.

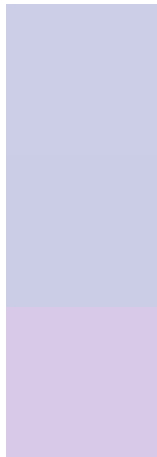


This preview shows how white text looks on a background with the CIELCh color 83, 13.227, 289.828.

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, 13.227, 289.828

Protanopia

83, 13.235, 288.339

Deuteranopia

83, 16.695, 308.504



Tritanopia
83, 8.511, 283.822

Trichromacy



Original Color
83, 13.227, 289.828

Protanomaly
83, 13.235, 288.339

Deuteranomaly
83, 15.730, 302.938

Tritanomaly
83, 10.084, 285.105

Monochromacy



Original Color
83, 13.227, 289.828

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 4.764, 290.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 13.227, 289.828 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(204, 205, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 205, 230)  
}
```

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(204, 205, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 205, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 13.227, 289.828 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(204, 205, 230) }
```

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

```
.border{ border-color:rgb(204, 205, 230) }
```

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

Here you see how a box with a 4 pixel rgb(204, 205, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 205, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 205, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 205,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 13.227, 289.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 205, 230) }
```

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

```
.background{ background-color: rgb(204,  
205, 230) }
```

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