

Converting Colors

CIE LCh(83, 14.304, 287.293)

Have a look what the booklet for
CIELCh(83, 14.304, 287.293)
contains.

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Color

CIELCh(83, 14.304, 287.293)

Conversions

Conversions Part 1

Format	Color
Hex	CACDE8
RGB	202, 205, 232
RGB Percent	79%, 80%, 91%
CMY	0.2072, 0.1954, 0.0895
CMYK	0.13, 0.12, 0.00, 0.09
HSL	234°, 40%, 85%
HSV	234°, 13%, 91%
XYZ	60.8679, 62.1629, 85.2666
YIQ	207.1810, -10.4550, 7.7610

Conversions

Conversions Part 2

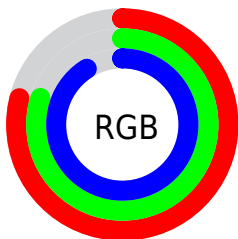
Format	Color
R _Y B	202, 205, 232
Decimal	13290984
CIE Lab	83.00, 4.25, -13.66
CIE LCh	83, 14.304, 287.293
Yxy	62.1629, 0.2922, 0.2984
Android (android.graphics.Color)	4291481064 (0xFFCACDE8)
YUV	207.1810, 12.2358, -4.5437
Hunter-Lab	78.8435, -0.1725, -8.9297

Details

The CIELCh color `83, 14.304, 287.293` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 13.974, 104.437`, 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, 14.015, 287.302` is the 20% darker color. If you saturate the color by 10%, you get `76, 25.834, 288.660`, and if you desaturate by 10%, it is `90, 3.185, 286.147`.

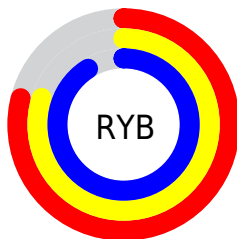
Distribution



Red (79%)

Green (80%)

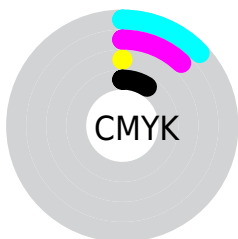
Blue (91%)



Red (79%)

Yellow (80%)

Blue (91%)

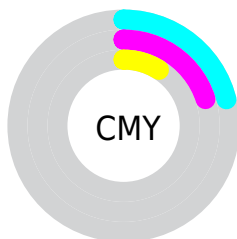


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (21%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 14.304, 287.293 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, 14.304, 287.293 by changing the saturation by 10% instead.

■ 83, 14.304,
287.293

■ 83, 14.304,
287.293

■ 100, 14.304,
287.293

■ 73, 14.304,
287.293

■ 63, 14.304,
287.293

■ 53, 14.304,
287.293

■ 43, 14.304,
287.293

■ 33, 14.304,
287.293

■ 23, 14.304,
287.293

■ 13, 14.304,

287.293

■ 3, 14.304, 287.293

■ 0, 14.304, 287.293

■ 83, 14.304,
287.293

■ 83, 14.304,
287.293

■ 76, 25.834,
288.660

■ 90, 3.185, 286.147

■ 97, 7.548, 105.094

■ 69, 37.817,
290.273

■ 99, 11.551,
109.304

■ 62, 50.285,
292.157

■ 55, 63.250,
294.326

■ 48, 76.639,

296.753

■ 42, 90.165,
299.338

■ 37, 103.098,
301.873

■ 33, 114.074,
304.053

■ 31, 119.771,
305.179

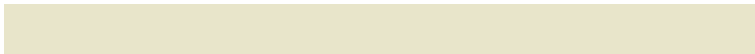
Harmonies

Complementary

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



83, 14.304, 287.293



91, 13.974, 104.437

Rectangle

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



83, 14.304, 287.293



83, 14.304, 337.293



83, 14.304, 107.293



83, 14.304, 157.293

Sweetspot

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



83, 14.302, 287.289



97, 4.710, 286.256



90, 10.590, 188.818



51, 3.350, 286.336



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, 14.302, 287.289



88, 19.215, 287.698



83, 16.441, 305.576



45, 6.303, 286.867



23, 98.551, 304.931



3, 33.255, 295.836

Inverse Universe

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



84, 11.266, 12.215



89, 15.208, 12.545



91, 16.079, 124.243



46, 4.938, 11.868



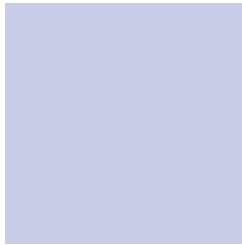
38, 76.620, 35.774



7, 28.153, 18.624

Previews

White Background



This preview shows how the CIELCh color 83, 14.304, 287.293 looks on a white background.

Color Contrast Check

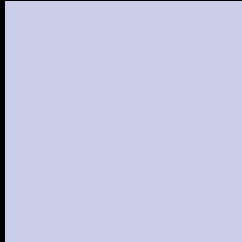
Large Text (above 18pt) WCAG AA × Fail

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, 14.304, 287.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

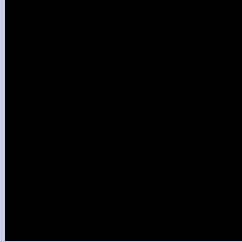
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 14.304, 287.293

Background



This preview shows how black text looks on a background with the CIELCh color 83, 14.304, 287.293.

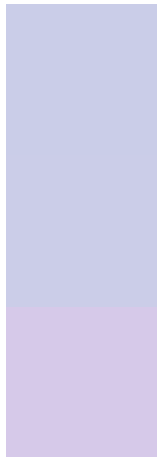


This preview shows how white text looks on a background with the CIELCh color 83, 14.304, 287.293.

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

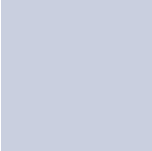
83, 14.304, 287.293

Protanopia

83, 14.290, 288.661

Deuteranopia

83, 17.612, 306.433



Tritanopia
83, 8.674, 276.947

Trichromacy



Original Color
83, 14.304, 287.293

Protanomaly
83, 14.290, 288.661

Deuteranomaly
83, 16.110, 300.161

Tritanomaly
83, 10.687, 281.762

Monochromacy



Original Color
83, 14.304, 287.293

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 5.299, 286.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 14.304, 287.293 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(202, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 205, 232)  
}
```

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(202, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 205, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 14.304, 287.293 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(202, 205, 232) }
```

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

```
.border{ border-color:rgb(202, 205, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 205, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 205,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 14.304, 287.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 205, 232) }
```

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

```
.background{ background-color: rgb(202,  
205, 232) }
```

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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