

Converting Colors

CIELCh(83, 23.401, 296.260)

Have a look what the booklet for
CIELCh(83, 23.401, 296.260)
contains.

CIELCh(83, 23.401, 296.260)	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, 23.401, 296.260)

Conversions

Conversions Part 1

Format	Color
Hex	CFCAF6
RGB	207, 202, 246
RGB Percent	81%, 79%, 96%
CMY	0.1882, 0.2078, 0.0353
CMYK	0.16, 0.18, 0.00, 0.04
HSL	247°, 71%, 88%
HSV	247°, 18%, 96%
XYZ	63.4899, 62.1629, 95.8452
YIQ	208.5110, -11.1440, 14.7440

Conversions

Conversions Part 2

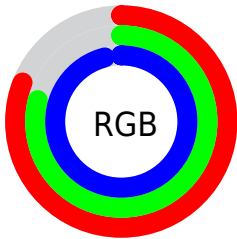
Format	Color
R _Y B	207, 202, 246
Decimal	13617910
CIE Lab	83.00, 10.35, -20.99
CIE LCh	83, 23.401, 296.260
Yxy	62.1629, 0.2866, 0.2806
Android (android.graphics.Color)	4291807990 (0xFFCFCAF6)
YUV	208.5110, 18.4821, -1.3251
Hunter-Lab	78.8435, 5.7637, -16.8848

Details

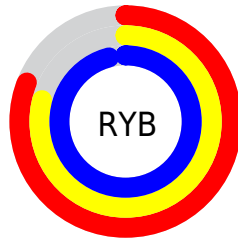
The CIELCh color `83, 23.401, 296.260` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 22.468, 113.206`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 23.612, 296.027` is the 20% darker color. If you saturate the color by 10%, you get `75, 37.234, 297.376`, and if you desaturate by 10%, it is `91, 10.116, 295.299`.

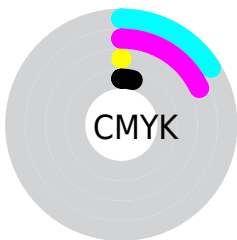
Distribution



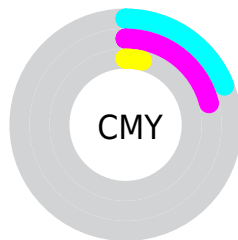
- Red (81%)
- Green (79%)
- Blue (96%)



- Red (81%)
- Yellow (79%)
- Blue (96%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)





- Cyan (19%)
- Magenta (21%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 23.401, 296.260 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, 23.401, 296.260 by changing the saturation by 10% instead.


 83, 23.401,
296.260


 83, 23.401,
296.260


 100, 23.401,
296.260


 73, 23.401,
296.260

 63, 23.401,
296.260

 53, 23.401,
296.260

 43, 23.401,
296.260

 33, 23.401,
296.260

 23, 23.401,
296.260

 13, 23.401,

296.260

■ 3, 23.401, 296.260

■ 0, 23.401, 296.260

■ 83, 23.401,
296.260

■ 83, 23.401,
296.260

■ 75, 37.234,
297.376

■ 91, 10.116,
295.299

■ 67, 51.632,
298.666

■ 99, 2.646, 114.466

■ 60, 66.549,
300.128

■ 100, 4.549,
109.821

■ 52, 81.807,
301.729

■ 45, 96.936,

303.380

■ 39, 110.918,
304.902

■ 35, 122.041,
306.028

■ 32, 128.546,
306.527

■ 32, 129.552,
306.606

Harmonies

Complementary

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



83, 23.401, 296.260



96, 22.468, 113.206

Rectangle

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



83, 23.401, 296.260



83, 23.401, 346.260



83, 23.401, 116.260



83, 23.401, 166.260

Sweetspot

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



83, 23.399, 296.258



96, 6.571, 295.051



93, 13.406, 208.410



51, 4.488, 295.111



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, 23.399, 296.258



83, 28.468, 296.593



85, 25.016, 313.253



47, 7.284, 295.443



23, 104.968, 306.679



3, 40.245, 302.372

Inverse Universe

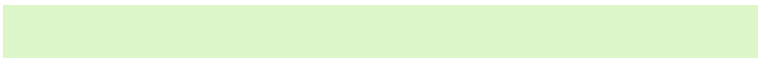
The Inverse Universe completely reimagines the original color for something new.



86, 25.696, 328.732



87, 31.084, 328.924



94, 24.544, 131.700



48, 8.101, 328.219



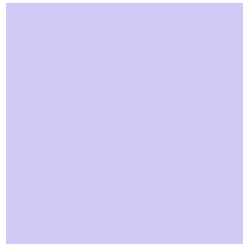
43, 83.451, 333.344



10, 37.541, 332.593

Previews

White Background



This preview shows how the CIELCh color 83, 23.401, 296.260 looks on a white background.

Color Contrast Check

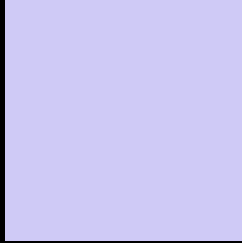
Large Text (above 18pt) WCAG AA × Fail

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, 23.401, 296.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

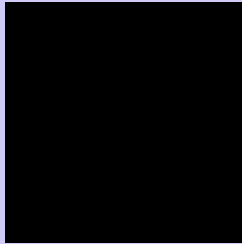
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 23.401, 296.260

Background



This preview shows how black text looks on a background with the CIELCh color 83, 23.401, 296.260.

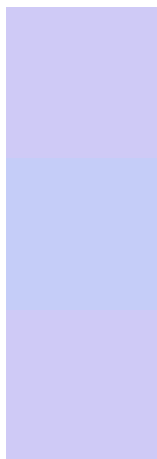


This preview shows how white text looks on a background with the CIELCh color 83, 23.401, 296.260.

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, 23.401, 296.260

Protanopia

83, 22.830, 285.511

Deuteranopia

83, 23.401, 296.260



Tritanopia
83, 8.511, 283.822

Trichromacy



Original Color
83, 23.401, 296.260

Protanomaly
83, 22.754, 289.623

Deuteranomaly
83, 23.401, 296.260

Tritanomaly
83, 13.755, 289.933

Monochromacy



Original Color
83, 23.401, 296.260

Achromatopsia
84, 0.010, 296.813

Achromatomaly
83, 8.502, 295.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 23.401, 296.260 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(207, 202, 246)` looks like.

```
.text, #text, p{  
    color:rgb(207, 202, 246)  
}
```

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(207, 202, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 202, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 23.401, 296.260 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(207, 202, 246) }
```

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

```
.border{ border-color:rgb(207, 202, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 202, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 202, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 202, 246);  
box-shadow:4px 4px 4px 4px rgb(207, 202,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 23.401, 296.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 202, 246) }
```

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

```
.background{ background-color: rgb(207,  
202, 246) }
```

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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