

Converting Colors

CIELCh(83, 10.366, 336.720)

Have a look what the booklet for
CIELCh(83, 10.366, 336.720)
contains.

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Color

CIELCh(83, 10.657, 336.299)

Conversions

Conversions Part 1

Format	Color
Hex	DEC9D7
RGB	222, 201, 215
RGB Percent	87%, 79%, 84%
CMY	0.1297, 0.2120, 0.1571
CMYK	0.00, 0.09, 0.03, 0.13
HSL	320°, 24%, 83%
HSV	320°, 9%, 87%
XYZ	63.2307, 62.1629, 72.9098
YIQ	208.8750, 8.0220, 8.8060

Conversions

Conversions Part 2

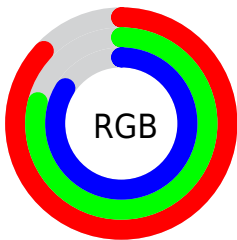
Format	Color
R _{YB}	222, 201, 215
Decimal	14600663
CIE Lab	83.00, 9.76, -4.28
CIE LCh	83, 10.657, 336.299
Yxy	62.1629, 0.3189, 0.3135
Android (android.graphics.Color)	4292790743 (0xFFDEC9D7)
YUV	208.8750, 3.0196, 11.5106
Hunter-Lab	78.8435, 5.1770, 0.3625

Details

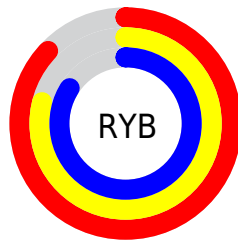
The CIELCh color $83, 10.657, 336.299$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $87, 10.591, 155.017$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 10.596, 337.203$ is the 20% darker color. If you saturate the color by 10%, you get $77, 22.064, 337.074$, and if you desaturate by 10%, it is $89, 0.593, 156.269$.

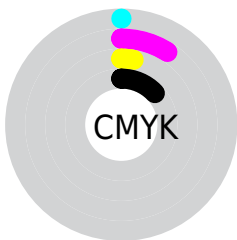
Distribution



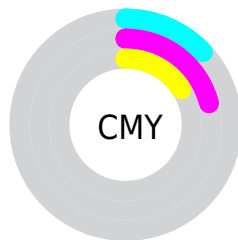
- Red (87%)
- Green (79%)
- Blue (84%)



- Red (87%)
- Yellow (79%)
- Blue (84%)



- Cyan (0%)
- Magenta (9%)
- Yellow (3%)
- Black (13%)





- Cyan (13%)
- Magenta (21%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 10.657, 336.299 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, 10.657, 336.299 by changing the saturation by 10% instead.


 83, 10.657,
336.299


 83, 10.657,
336.299


 100, 10.657,
336.299


 73, 10.657,
336.299

 63, 10.657,
336.299

 53, 10.657,
336.299

 43, 10.657,
336.299

 33, 10.657,
336.299

 23, 10.657,
336.299

 13, 10.657,

336.299

■ 3, 10.657, 336.299

■ 0, 10.657, 336.299

■ 83, 10.657,
336.299

■ 83, 10.657,
336.299

■ 77, 22.064,
337.074

■ 89, 0.593, 156.269

■ 72, 33.467,
337.891

■ 95, 11.579,
155.006

■ 67, 44.605,
338.776

■ 97, 14.809,
160.487

■ 62, 55.106,
339.748

■ 97, 12.665,
173.639

■ 58, 64.483,

■ 98, 11.379,
190.788

340.840

98, 11.175,
198.760

55, 72.177,
342.099

52, 77.654,
343.593

50, 80.585,
345.410

49, 81.235,
347.608

Harmonies

Complementary

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



83, 10.657, 336.299



87, 10.591, 155.017

Rectangle

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



83, 10.657, 336.299



83, 10.657, 26.299



83, 10.657, 156.299



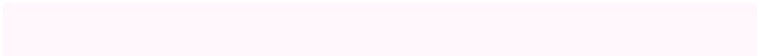
83, 10.657, 206.299

Sweetspot

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



83, 10.655, 336.301



98, 3.764, 335.767



82, 11.450, 303.575



52, 2.854, 335.847



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, 10.655, 336.301



93, 13.884, 336.426



83, 7.983, 6.623



44, 6.453, 336.301



39, 68.520, 347.328



7, 28.778, 343.366

Inverse Universe

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



83, 10.655, 336.301



93, 13.884, 336.426



87, 7.661, 185.083



44, 6.453, 336.301



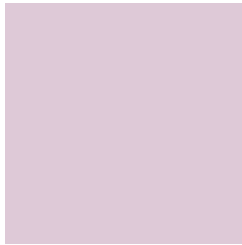
39, 68.520, 347.328



7, 28.778, 343.366

Previews

White Background



This preview shows how the CIELCh color 83, 10.657, 336.299 looks on a white background.

Color Contrast Check

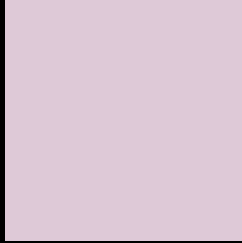
Large Text (above 18pt) WCAG AA × Fail

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, 10.657, 336.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

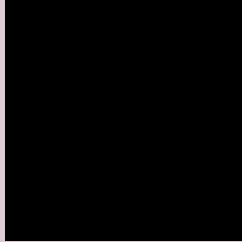
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

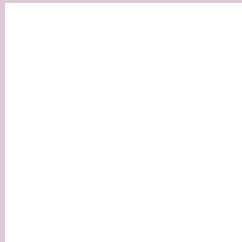
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 10.657, 336.299

Background



This preview shows how black text looks on a background with the CIELCh color 83, 10.657, 336.299.

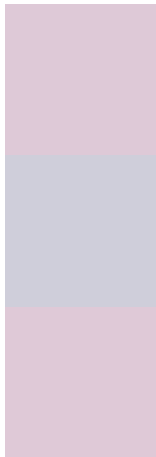


This preview shows how white text looks on a background with the CIELCh color 83, 10.657, 336.299.

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, 10.657, 336.299

Protanopia

83, 6.364, 293.933

Deuteranopia

83, 10.921, 337.664



Tritanopia
83, 11.025, 334.321

Trichromacy



Original Color
83, 10.657, 336.299

Protanomaly
83, 7.488, 313.220

Deuteranomaly
83, 10.921, 337.664

Tritanomaly
83, 11.025, 334.321

Monochromacy



Original Color
83, 10.657, 336.299

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 3.949, 337.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 10.657, 336.299 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(222, 201, 215)` looks like.

```
.text, #text, p{  
    color:rgb(222, 201, 215)  
}
```

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(222, 201, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 201, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 10.657, 336.299 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(222, 201, 215) }
```

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

```
.border{ border-color:rgb(222, 201, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 201, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 201, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 201, 215);  
box-shadow:4px 4px 4px 4px rgb(222, 201,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 10.657, 336.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 201, 215) }
```

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

```
.background{ background-color: rgb(222,  
201, 215) }
```

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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