

Converting Colors

CIELCh(84, 8.587, 312.747)

Have a look what the booklet for
CIELCh(84, 8.587, 312.747) contains.

CIELCh(84, 8.587, 312.747)	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(84, 8.587, 312.747)

Conversions

Conversions Part 1

Format	Color
Hex	D7CEDD
RGB	215, 206, 221
RGB Percent	84%, 81%, 87%
CMY	0.1554, 0.1907, 0.1319
CMYK	0.03, 0.07, 0.00, 0.13
HSL	276°, 18%, 84%
HSV	276°, 7%, 87%
XYZ	63.3963, 64.0658, 77.6940
YIQ	210.4010, 0.5490, 6.5730

Conversions

Conversions Part 2

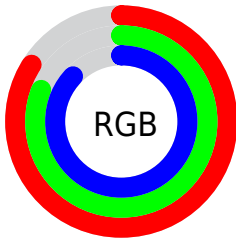
Format	Color
R _Y B	215, 206, 221
Decimal	14143197
CIE Lab	84.00, 5.83, -6.31
CIE LCh	84, 8.587, 312.747
Yxy	64.0658, 0.3090, 0.3123
Android (android.graphics.Color)	4292333277 (0xFFD7CEDD)
YUV	210.4010, 5.2253, 4.0333
Hunter-Lab	80.0411, 1.3086, -1.5226

Details

The CIELCh color `84, 8.587, 312.747` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 8.509, 132.217`, 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 `64, 8.413, 311.859` is the 20% darker color. If you saturate the color by 10%, you get `78, 21.510, 313.195`, and if you desaturate by 10%, it is `90, 4.013, 132.394`.

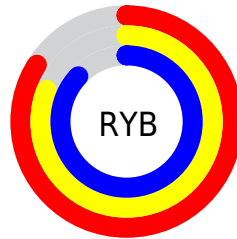
Distribution



Red (84%)

Green (81%)

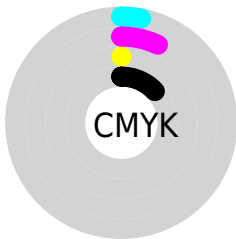
Blue (87%)



Red (84%)

Yellow (81%)

Blue (87%)

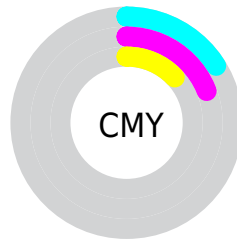


Cyan (3%)

Magenta (7%)

Yellow (0%)

Black (13%)



Cyan (16%)

Magenta (19%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 8.587, 312.747 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 84, 8.587, 312.747 by changing the saturation by 10% instead.

■ 84, 8.587, 312.747

■ 84, 8.587, 312.747

■ 100, 8.587,
312.747

■ 74, 8.587, 312.747

■ 64, 8.587, 312.747

■ 54, 8.587, 312.747

■ 44, 8.587, 312.747

■ 34, 8.587, 312.747

■ 24, 8.587, 312.747

■ 14, 8.587, 312.747

■ 4, 8.587, 312.747

■ 0, 8.587, 312.747

84, 8.587, 312.747

84, 8.587, 312.747

78, 21.510,
313.195

90, 4.013, 132.394

72, 34.698,
313.658

97, 16.252,
131.989

66, 48.023,
314.125

98, 17.720,
124.410

60, 61.270,
314.570

99, 17.091,
114.045

54, 74.091,
314.955

99, 17.005,
108.892

49, 85.961,
315.220

45, 96.176,
315.289

41, 103.943,
315.072

■ 39,108.700,
314.496

Harmonies

Complementary

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



84, 8.587, 312.747



87, 8.509, 132.217

Rectangle

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



84, 8.587, 312.747



84, 8.587, 2.747



84, 8.587, 132.747



84, 8.587, 182.747

Sweetspot

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



84, 8.585, 312.744



99, 2.831, 312.500



85, 5.071, 264.824



53, 1.610, 312.493



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 8.585, 312.744



94, 11.384, 312.802



84, 9.076, 327.127



43, 7.160, 312.863



29, 91.443, 314.457



4, 32.027, 313.415

Inverse Universe

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



84, 6.336, 349.943



95, 8.406, 350.076



87, 9.055, 146.402



43, 5.289, 350.215



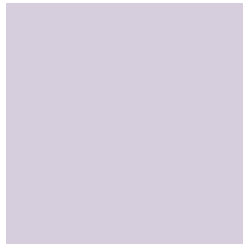
37, 63.483, 11.395



6, 24.296, 1.199

Previews

White Background



This preview shows how the CIELCh color 84, 8.587, 312.747 looks on a white background.

Color Contrast Check

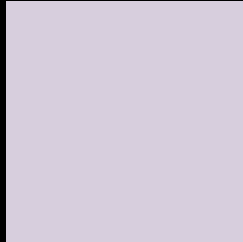
Large Text (above 18pt) WCAG AA × Fail

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 84, 8.587, 312.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

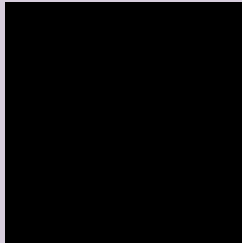
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

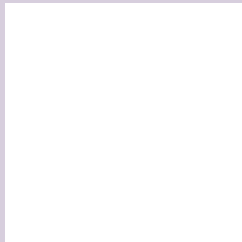
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 8.587, 312.747

Background



This preview shows how black text looks on a background with the CIELCh color 84, 8.587, 312.747.

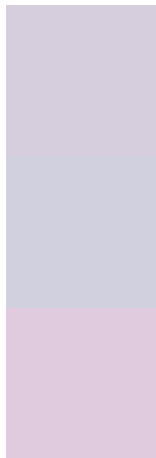


This preview shows how white text looks on a background with the CIELCh color 84, 8.587, 312.747.

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

84, 8.587, 312.747

Protanopia

84, 7.406, 293.551

Deuteranopia

84, 12.594, 327.644



Tritanopia
84, 9.211, 313.592

Trichromacy



Original Color
84, 8.587, 312.747

Protanomaly
84, 8.071, 300.957

Deuteranomaly
84, 11.336, 323.339

Tritanomaly
84, 9.211, 313.592

Monochromacy



Original Color
84, 8.587, 312.747

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 3.498, 314.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 8.587, 312.747 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(215, 206, 221)` looks like.

```
.text, #text, p{  
    color:rgb(215, 206, 221)  
}
```

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(215, 206, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 206, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 8.587, 312.747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

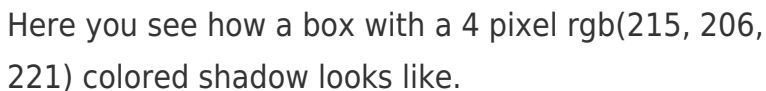
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 206, 221) }
```

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

```
.border{ border-color:rgb(215, 206, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 206, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 206, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 206, 221); box-shadow:4px 4px 4px 4px rgb(215, 206, 221) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 8.587, 312.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 206, 221) }
```

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

```
.background{ background-color: rgb(215,  
206, 221) }
```

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