

Converting Colors

CIELCh(84, 10.131, 319.706)

Have a look what the booklet for
CIELCh(84, 10.131, 319.706)
contains.

CIELCh(84, 10.324, 319.832)	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, 10.324, 319.832)

Conversions

Conversions Part 1

Format	Color
Hex	DBCDDDE
RGB	219, 205, 222
RGB Percent	86%, 80%, 87%
CMY	0.1408, 0.1957, 0.1290
CMYK	0.01, 0.08, 0.00, 0.13
HSL	289°, 21%, 84%
HSV	289°, 8%, 87%
XYZ	64.2977, 64.0658, 78.1558
YIQ	211.1240, 2.8870, 8.2550

Conversions

Conversions Part 2

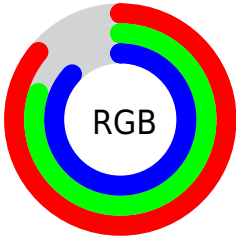
Format	Color
R _Y B	219, 205, 222
Decimal	14405086
CIE Lab	84.00, 7.89, -6.66
CIE LCh	84, 10.324, 319.832
Yxy	64.0658, 0.3113, 0.3102
Android (android.graphics.Color)	4292595166 (0xFFDBCDDDE)
YUV	211.1240, 5.3619, 6.9073
Hunter-Lab	80.0411, 3.3186, -1.8647

Details

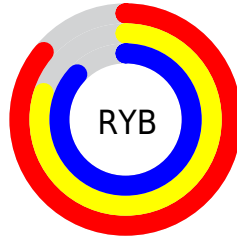
The CIELCh color **84, 10.324, 319.832** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 10.273, 139.174**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **64, 10.229, 319.585** is the 20% darker color. If you saturate the color by 10%, you get **78, 23.991, 320.300**, and if you desaturate by 10%, it is **90, 3.119, 139.482**.

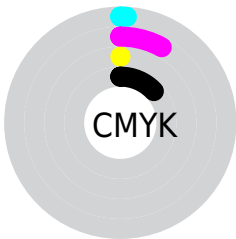
Distribution



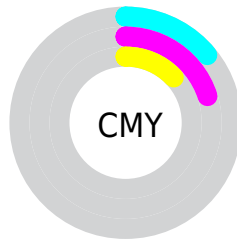
- Red (86%)
- Green (80%)
- Blue (87%)



- Red (86%)
- Yellow (80%)
- Blue (87%)



- Cyan (1%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)





- Cyan (14%)
- Magenta (20%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 10.324, 319.832 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, 10.324, 319.832 by changing the saturation by 10% instead.


 84, 10.324,
319.832


 84, 10.324,
319.832


 100, 10.324,
319.832


 74, 10.324,
319.832

 64, 10.324,
319.832

 54, 10.324,
319.832

 44, 10.324,
319.832

 34, 10.324,
319.832

 24, 10.324,
319.832

 14, 10.324,

319.832

■ 4, 10.324, 319.832

■ 0, 10.324, 319.832

■ 84, 10.324,
319.832

■ 84, 10.324,
319.832

■ 78, 23.991,
320.300

■ 90, 3.119, 139.482

■ 73, 37.746,
320.756

■ 96, 16.248,
138.994

■ 67, 51.365,
321.190

■ 98, 18.908,
136.219

■ 62, 64.514,
321.576

■ 98, 18.281,
132.418

■ 58, 76.735,

■ 98, 17.741,
128.330

321.885

98, 17.297,
123.973

54, 87.455,
322.076

99, 16.961,
119.379

50, 96.051,
322.109

99, 16.740,
114.599

48, 102.008,
321.944

99, 16.643,
109.696

46, 105.213,
321.564

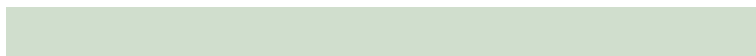
Harmonies

Complementary

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



84, 10.324, 319.832



87, 10.273, 139.174

Rectangle

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



84, 10.324, 319.832



84, 10.324, 9.832



84, 10.324, 139.832



84, 10.324, 189.832

Sweetspot

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



84, 10.322, 319.831



99, 3.008, 319.514



84, 7.392, 282.300



53, 1.710, 319.506



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, 10.322, 319.831



94, 13.593, 319.899



84, 8.715, 335.455



44, 7.734, 319.917



36, 88.855, 321.560



6, 35.514, 322.212

Inverse Universe

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



84, 6.448, 5.671



94, 8.516, 5.823



87, 8.671, 154.469



44, 4.849, 5.864



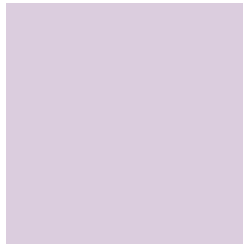
37, 71.317, 30.958



6, 25.284, 13.472

Previews

White Background



This preview shows how the CIELCh color 84, 10.324, 319.832 looks on a white background.

Color Contrast Check

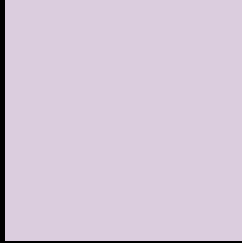
Large Text (above 18pt) WCAG AA × Fail

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, 10.324, 319.832 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

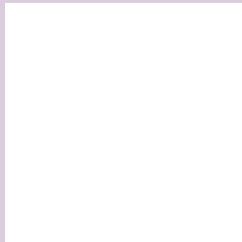
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 10.324, 319.832

Background



This preview shows how black text looks on a background with the CIELCh color 84, 10.324, 319.832.

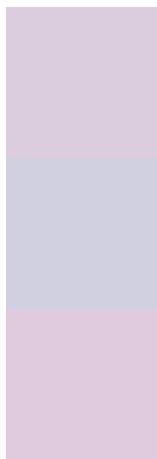


This preview shows how white text looks on a background with the CIELCh color 84, 10.324, 319.832.

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, 10.324, 319.832

Protanopia

84, 8.460, 293.289

Deuteranopia

84, 12.594, 327.644



Tritanopia
84, 9.869, 321.322

Trichromacy



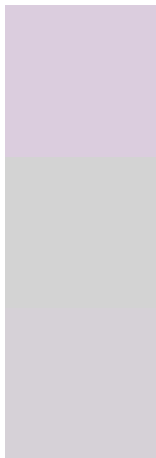
Original Color
84, 10.324, 319.832

Protanomaly
84, 8.742, 304.951

Deuteranomaly
84, 11.533, 324.862

Tritanomaly
84, 9.869, 321.322

Monochromacy



Original Color
84, 10.324, 319.832

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 3.664, 319.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 10.324, 319.832 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(219, 205, 222)` looks like.

```
.text, #text, p{  
    color:rgb(219, 205, 222)  
}
```

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(219, 205, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 205, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 10.324, 319.832 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(219, 205, 222) }
```

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

```
.border{ border-color:rgb(219, 205, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 205, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 205, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 205, 222);  
box-shadow:4px 4px 4px 4px rgb(219, 205,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 10.324, 319.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 205, 222) }
```

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

```
.background{ background-color: rgb(219,  
205, 222) }
```

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