

Converting Colors

CIELCh(84, 17.731, 307.286)

Have a look what the booklet for
CIELCh(84, 17.731, 307.286)
contains.

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Color

CIELCh(84, 17.659, 307.520)

Conversions

Conversions Part 1

Format	Color
Hex	DACCEC
RGB	218, 204, 236
RGB Percent	85%, 80%, 93%
CMY	0.1456, 0.2004, 0.0750
CMYK	0.08, 0.14, 0.00, 0.07
HSL	266°, 46%, 86%
HSV	266°, 14%, 93%
XYZ	65.5654, 64.0658, 88.1752
YIQ	211.8340, -1.9280, 12.9200

Conversions

Conversions Part 2

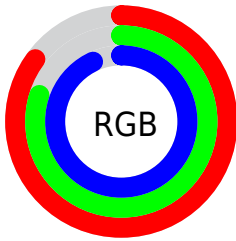
Format	Color
R _Y B	218, 204, 236
Decimal	14339308
CIE Lab	84.00, 10.76, -14.01
CIE LCh	84, 17.659, 307.520
Yxy	64.0658, 0.3010, 0.2941
Android (android.graphics.Color)	4292529388 (0xFFDACCEC)
YUV	211.8340, 11.9138, 5.4076
Hunter-Lab	80.0411, 6.1457, -9.2866

Details

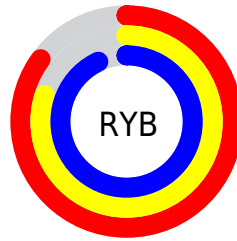
The CIELCh color `84, 17.659, 307.520` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 17.285, 126.214`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 17.479, 307.528` is the 20% darker color. If you saturate the color by 10%, you get `77, 31.137, 308.078`, and if you desaturate by 10%, it is `91, 4.573, 306.997`.

Distribution



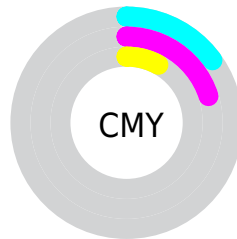
- Red (85%)
- Green (80%)
- Blue (93%)



- Red (85%)
- Yellow (80%)
- Blue (93%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)





- Cyan (15%)
- Magenta (20%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 17.659, 307.520 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, 17.659, 307.520 by changing the saturation by 10% instead.


 84, 17.659,
307.520


 84, 17.659,
307.520


 100, 17.659,
307.520


 74, 17.659,
307.520


 64, 17.659,
307.520

 54, 17.659,
307.520

 44, 17.659,
307.520

 34, 17.659,
307.520

 24, 17.659,
307.520

 14, 17.659,

307.520

■ 4, 17.659, 307.520

■ 0, 17.659, 307.520

■ 84, 17.659,
307.520

■ 84, 17.659,
307.520

■ 77, 31.137,
308.078

■ 91, 4.573, 306.997

■ 98, 8.095, 126.585

■ 70, 44.959,
308.680

■ 100, 9.678,
109.444

■ 64, 58.998,
309.310

■ 57, 73.016,
309.935

■ 51, 86.585,

310.496

■ 46, 99.013,
310.906

■ 41, 109.318,
311.040

■ 38, 116.444,
310.765

■ 36, 119.433,
310.399

Harmonies

Complementary

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



84, 17.659, 307.520



92, 17.285, 126.214

Rectangle

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



84, 17.659, 307.520



84, 17.659, 357.520



84, 17.659, 127.520



84, 17.659, 177.520

Sweetspot

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



84, 17.657, 307.518



97, 5.471, 307.021



88, 9.420, 249.619



51, 3.891, 307.061



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, 17.657, 307.518



88, 22.272, 307.654



85, 19.920, 323.317



45, 7.317, 307.302



27, 97.768, 310.585



4, 37.353, 309.525

Inverse Universe

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



85, 14.976, 341.491



90, 18.861, 341.712



91, 19.864, 141.896



46, 6.220, 341.135



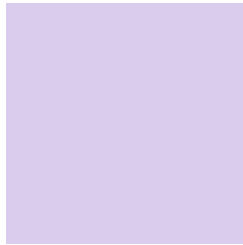
39, 66.599, 356.141



8, 29.305, 350.612

Previews

White Background



This preview shows how the CIELCh color 84, 17.659, 307.520 looks on a white background.

Color Contrast Check

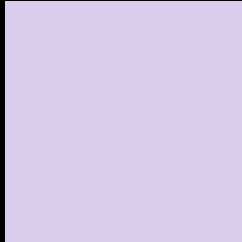
Large Text (above 18pt) WCAG AA × Fail

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, 17.659, 307.520 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

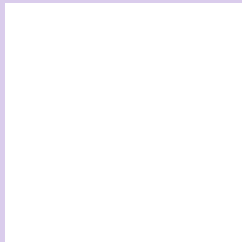
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 17.659, 307.520

Background



This preview shows how black text looks on a background with the CIELCh color 84, 17.659, 307.520.



This preview shows how white text looks on a background with the CIELCh color 84, 17.659, 307.520.

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





Tritanopia
84, 9.211, 313.592

Trichromacy



Original Color
84, 17.659, 307.520

Protanomaly
84, 15.889, 295.233

Deuteranomaly
84, 17.659, 307.520

Tritanomaly
84, 12.422, 311.048

Monochromacy



Original Color
84, 17.659, 307.520

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 6.598, 306.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 17.659, 307.520 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(218, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(218, 204, 236)  
}
```

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(218, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 204, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 17.659, 307.520 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(218, 204, 236) }
```

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

```
.border{ border-color:rgb(218, 204, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 204, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(218, 204,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 17.659, 307.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 204, 236) }
```

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

```
.background{ background-color: rgb(218,  
204, 236) }
```

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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