

Converting Colors

CIELCh(84, 29.706, 311.023)

Have a look what the booklet for
CIELCh(84, 29.706, 311.023)
contains.

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Color

CIELCh(84, 29.681, 311.019)

Conversions

Conversions Part 1

Format	Color
Hex	E3C7FC
RGB	227, 199, 252
RGB Percent	89%, 78%, 99%
CMY	0.1106, 0.2204, 0.0126
CMYK	0.10, 0.21, 0.00, 0.01
HSL	272°, 89%, 88%
HSV	272°, 21%, 99%
XYZ	69.5271, 64.0658, 100.6212
YIQ	213.4140, -0.3250, 22.4190

Conversions

Conversions Part 2

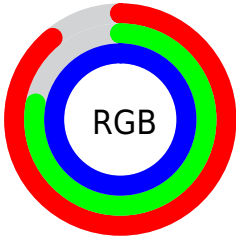
Format	Color
R_{YB}	227, 199, 252
Decimal	14927868
CIE _{Lab}	84.00, 19.48, -22.39
CIE _{LCh}	84, 29.681, 311.019
Yxy	64.0658, 0.2969, 0.2735
Android (android.graphics.Color)	4293117948 (0xFFE3C7FC)
YUV	213.4140, 19.0229, 11.9149
Hunter-Lab	80.0411, 14.9809, -18.5058

Details

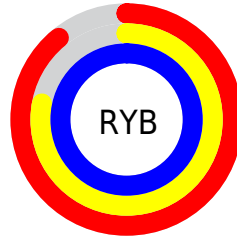
The CIELCh color $84, 29.681, 311.019$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $96, 28.883, 129.098$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $64, 29.494, 310.956$ is the 20% darker color. If you saturate the color by 10%, you get $77, 44.293, 311.531$, and if you desaturate by 10%, it is $91, 15.370, 310.531$.

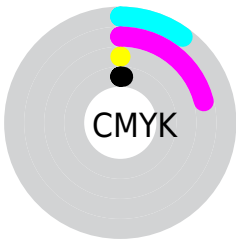
Distribution



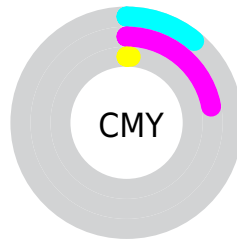
- Red (89%)
- Green (78%)
- Blue (99%)



- Red (89%)
- Yellow (78%)
- Blue (99%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)





- Cyan (11%)
- Magenta (22%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 29.681, 311.019 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, 29.681, 311.019 by changing the saturation by 10% instead.

 84, 29.681,
311.019


 84, 29.681,
311.019


 100, 29.681,
311.019


 74, 29.681,
311.019

 64, 29.681,
311.019

 54, 29.681,
311.019

 44, 29.681,
311.019

 34, 29.681,
311.019

 24, 29.681,
311.019

 14, 29.681,

311.019

■ 4, 29.681, 311.019

■ 0, 29.681, 311.019

■ 84, 29.681,
311.019

■ 84, 29.681,
311.019

■ 77, 44.293,
311.531

■ 91, 15.370,
310.531

■ 70, 59.064,
312.053

■ 98, 1.442, 309.990

■ 64, 73.726,
312.552

■ 100, 1.617,
110.009

■ 57, 87.836,
312.977

■ 52, 100.712,

313.255

■ 47, 111.440,
313.285

■ 44, 119.050,
312.955

■ 41, 123.080,
312.344

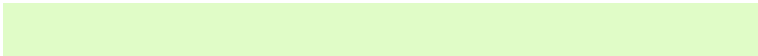
Harmonies

Complementary

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



84, 29.681, 311.019



96, 28.883, 129.098

Rectangle

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



84, 29.681, 311.019



84, 29.681, 1.019



84, 29.681, 131.019



84, 29.681, 181.019

Sweetspot

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



84, 29.679, 311.018



96, 8.380, 310.293



88, 16.359, 260.324



51, 5.563, 310.324



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, 29.679, 311.018



82, 35.796, 311.220



86, 32.941, 326.049



48, 7.846, 310.457



30, 98.917, 312.543



6, 43.260, 313.506

Inverse Universe

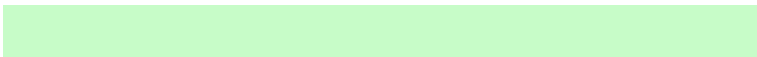
The Inverse Universe completely reimagines the original color for something new.



85, 23.254, 347.126



84, 28.001, 347.553



94, 32.918, 143.507



49, 6.161, 345.978



40, 67.362, 4.783



10, 30.827, 358.475

Previews

White Background



This preview shows how the CIELCh color 84, 29.681, 311.019 looks on a white background.

Color Contrast Check

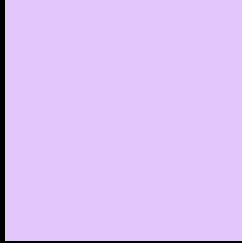
Large Text (above 18pt) WCAG AA × Fail

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 84, 29.681, 311.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

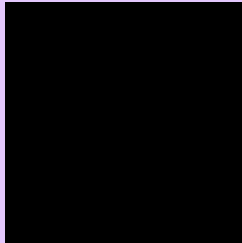
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 29.681, 311.019

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.681, 311.019.

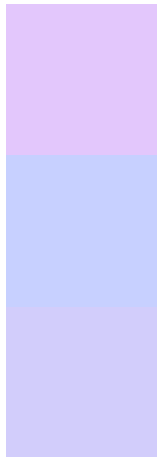


This preview shows how white text looks on a background with the CIELCh color 84, 29.681, 311.019.

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

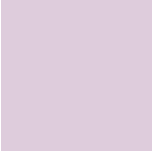
84, 29.681, 311.019

Protanopia

84, 24.885, 285.524

Deuteranopia

84, 24.388, 296.131



Tritanopia
84, 10.686, 328.054

Trichromacy



Original Color
84, 29.681, 311.019

Protanomaly
84, 25.941, 295.270

Deuteranomaly
84, 25.814, 301.994

Tritanomaly
84, 17.711, 317.320

Monochromacy



Original Color
84, 29.681, 311.019

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 10.665, 310.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.681, 311.019 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(227, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 199, 252)  
}
```

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(227, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 199, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.681, 311.019 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(227, 199, 252) }
```

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

```
.border{ border-color:rgb(227, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 199,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.681, 311.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 199, 252) }
```

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

```
.background{ background-color: rgb(227,  
199, 252) }
```

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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