

Converting Colors

CIELCh(88, 27.953, 299.004)

Have a look what the booklet for
CIELCh(88, 27.953, 299.004)
contains.

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Color

CIELCh(88, 21.799, 300.797)

Conversions

Conversions Part 1

Format	Color
Hex	E1D7FF
RGB	225, 215, 255
RGB Percent	88%, 84%, 100%
CMY	0.1167, 0.1560, 0.0000
CMYK	0.12, 0.16, 0.00, 0.00
HSL	255°, 100%, 92%
HSV	255°, 16%, 100%
XYZ	73.7405, 72.0653, 105.7057
YIQ	222.5500, -6.8800, 14.5600

Conversions

Conversions Part 2

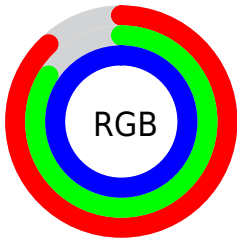
Format	Color
R _Y B	225, 215, 255
Decimal	14800895
CIE Lab	88.00, 11.16, -18.73
CIE LCh	88, 21.799, 300.797
Yxy	72.0653, 0.2932, 0.2865
Android (android.graphics.Color)	4292990975 (0xFFE1D7FF)
YUV	222.5500, 15.9979, 2.1487
Hunter-Lab	84.8913, 6.4937, -14.4034

Details

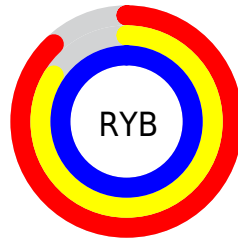
The CIELCh color `88, 21.799, 300.797` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 20.478, 118.999`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 21.344, 301.706` is the 20% darker color. If you saturate the color by 10%, you get `80, 35.349, 301.858`, and if you desaturate by 10%, it is `96, 7.451, 300.329`.

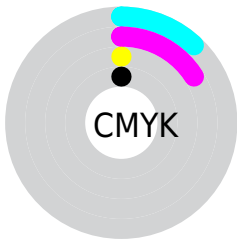
Distribution



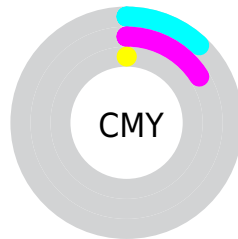
- Red (88%)
- Green (84%)
- Blue (100%)



- Red (88%)
- Yellow (84%)
- Blue (100%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 21.799, 300.797 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 88, 21.799, 300.797 by changing the saturation by 10% instead.


 88, 21.799,
300.797


 88, 21.799,
300.797


 100, 21.799,
300.797


 78, 21.799,
300.797

 68, 21.799,
300.797

 58, 21.799,
300.797

 48, 21.799,
300.797

 38, 21.799,
300.797

 28, 21.799,
300.797

 18, 21.799,

300.797

■ 8, 21.799, 300.797

■ 0, 21.799, 300.797

■ 88, 21.799,
300.797

■ 88, 21.799,
300.797

■ 80, 35.349,
301.858

■ 96, 7.451, 300.329

■ 73, 50.055,
302.778

100, 0.012,
296.813

■ 65, 65.186,
303.794

■ 58, 80.540,
304.876

■ 51, 95.675,

305.955

■ 44, 109.740,
306.908

■ 39, 121.363,
307.546

■ 36, 128.948,
307.665

■ 35, 131.152,
307.600

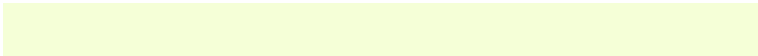
Harmonies

Complementary

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



88, 21.799, 300.797



98, 20.478, 118.999

Rectangle

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



88, 21.799, 300.797



88, 21.799, 350.797



88, 21.799, 120.797



88, 21.799, 170.797

Sweetspot

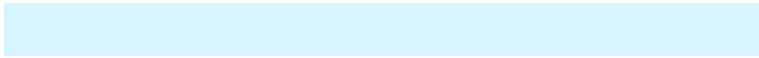
The Sweet Spot groups the original color and five complimentary colors.



88, 21.143, 301.044



96, 6.653, 300.289



95, 11.104, 226.386



51, 4.544, 300.336



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 21.143, 301.044



85, 25.922, 301.309



90, 23.219, 317.962



49, 7.622, 300.597



25, 105.434, 307.735



4, 44.661, 306.618

Inverse Universe

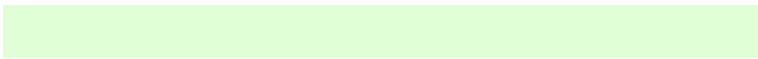
The Inverse Universe completely reimagines the original color for something new.



90, 20.919, 333.429



88, 25.525, 333.670



97, 22.990, 136.578



50, 7.597, 333.001



43, 76.753, 341.520



11, 36.081, 339.530

Previews

White Background



This preview shows how the CIELCh color 88, 21.799, 300.797 looks on a white background.

Color Contrast Check

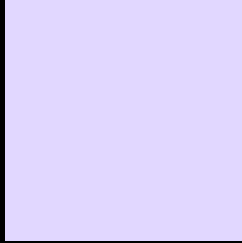
Large Text (above 18pt) WCAG AA × Fail

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 88, 21.799, 300.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

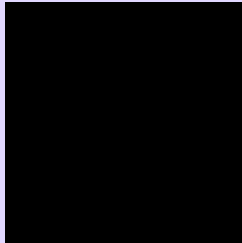
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 21.799, 300.797

Background



This preview shows how black text looks on a background with the CIELCh color 88, 21.799, 300.797.

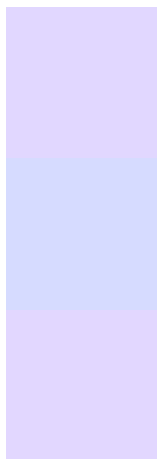


This preview shows how white text looks on a background with the CIELCh color 88, 21.799, 300.797.

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

88, 21.266, 300.986

Protanopia

88, 18.849, 286.655

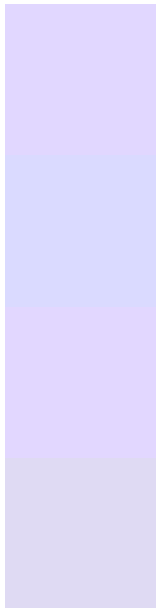
Deuteranopia

88, 21.324, 301.886



Tritanopia
88, 8.965, 297.615

Trichromacy



Original Color
88, 21.266, 300.986

Protanomaly
88, 19.343, 291.759

Deuteranomaly
88, 21.324, 301.886

Tritanomaly
88, 13.212, 298.737

Monochromacy



Original Color
88, 21.266, 300.986

Achromatopsia
89, 0.011, 296.813

Achromatomaly
88, 7.980, 300.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 21.799, 300.797 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(225, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 215, 255)  
}
```

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(225, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 215, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 21.799, 300.797 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(225, 215, 255) }
```

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

```
.border{ border-color:rgb(225, 215, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 215, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 215,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 21.799, 300.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 215, 255) }
```

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

```
.background{ background-color: rgb(225,  
215, 255) }
```

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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