

Converting Colors

CIELCh(89, 37.653, 300.131)

Have a look what the booklet for
CIELCh(89, 37.653, 300.131)
contains.

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Color

CIELCh(88, 22.132, 305.150)

Conversions

Conversions Part 1

Format	Color
Hex	E5D6FF
RGB	229, 214, 255
RGB Percent	90%, 84%, 100%
CMY	0.1014, 0.1603, 0.0000
CMYK	0.10, 0.16, 0.00, 0.00
HSL	262°, 100%, 92%
HSV	262°, 16%, 100%
XYZ	74.5043, 72.0653, 104.7019
YIQ	223.1590, -4.2210, 15.9310

Conversions

Conversions Part 2

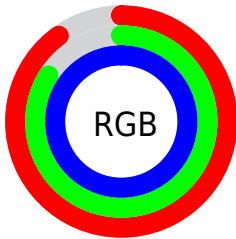
Format	Color
R _Y B	229, 214, 255
Decimal	15062783
CIE Lab	88.00, 12.74, -18.10
CIE LCh	88, 22.132, 305.150
Yxy	72.0653, 0.2965, 0.2868
Android (android.graphics.Color)	4293252863 (0xFFE5D6FF)
YUV	223.1590, 15.6976, 5.1226
Hunter-Lab	84.8913, 8.0996, -13.7023

Details

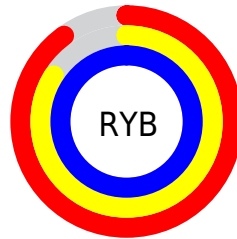
The CIELCh color `88, 22.132, 305.150` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 21.447, 123.457`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 22.180, 305.119` is the 20% darker color. If you saturate the color by 10%, you get `81, 36.419, 305.839`, and if you desaturate by 10%, it is `95, 8.162, 304.601`.

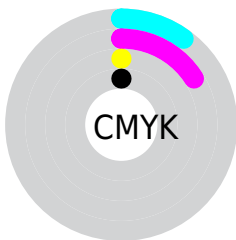
Distribution



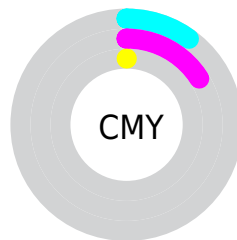
- Red (90%)
- Green (84%)
- Blue (100%)



- Red (90%)
- Yellow (84%)
- Blue (100%)



- Cyan (10%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 22.132, 305.150 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, 22.132, 305.150 by changing the saturation by 10% instead.


 88, 22.132,
305.150


 88, 22.132,
305.150


 100, 22.132,
305.150


 78, 22.132,
305.150

 68, 22.132,
305.150

 58, 22.132,
305.150

 48, 22.132,
305.150

 38, 22.132,
305.150

 28, 22.132,
305.150

 18, 22.132,

305.150

■ 8, 22.132, 305.150

■ 0, 22.132, 305.150

■ 88, 22.132,
305.150

■ 88, 22.132,
305.150

■ 81, 36.419,
305.839

■ 95, 8.162, 304.601

■ 73, 51.181,
306.552

100, 0.012,
296.813

■ 66, 66.221,
307.310

■ 59, 81.275,
308.077

■ 52, 95.844,

308.785

■ 46, 109.081,
309.324

■ 42, 119.775,
309.544

■ 38, 126.675,
309.289

■ 37, 128.584,
309.105

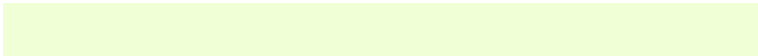
Harmonies

Complementary

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



88, 22.132, 305.150



98, 21.447, 123.457

Rectangle

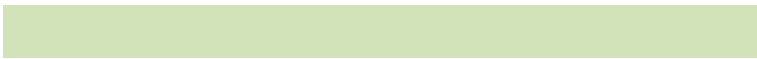
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 22.132, 305.150



88, 22.132, 355.150



88, 22.132, 125.150



88, 22.132, 175.150

Sweetspot

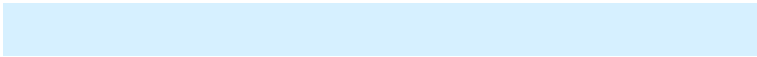
The Sweet Spot groups the original color and five complimentary colors.



88, 22.062, 305.188



96, 6.762, 304.543



93, 11.446, 241.630



51, 4.618, 304.582



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, 22.062, 305.188



86, 26.285, 305.374



90, 24.630, 321.516



49, 7.743, 304.799



27, 103.348, 309.280



5, 44.860, 309.344

Inverse Universe

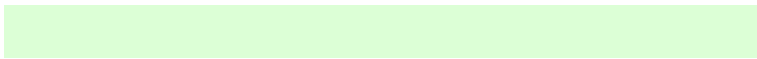
The Inverse Universe completely reimagines the original color for something new.



90, 19.829, 338.319



88, 23.552, 338.564



97, 24.500, 139.932



50, 6.998, 337.793



42, 71.482, 350.189



11, 33.708, 346.667

Previews

White Background



This preview shows how the CIELCh color 88, 22.132, 305.150 looks on a white background.

Color Contrast Check

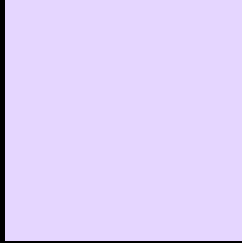
Large Text (above 18pt) WCAG AA × Fail

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, 22.132, 305.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

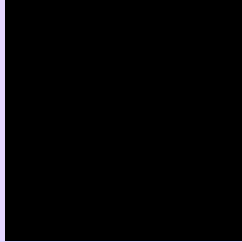
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 22.132, 305.150

Background



This preview shows how black text looks on a background with the CIELCh color 88, 22.132, 305.150.

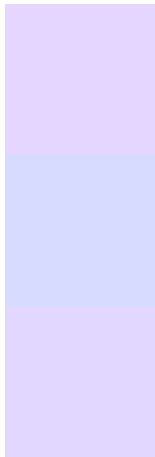


This preview shows how white text looks on a background with the CIELCh color 88, 22.132, 305.150.

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](#).

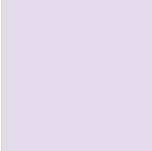
Dichromacy



Original Color
88, 22.132, 305.150

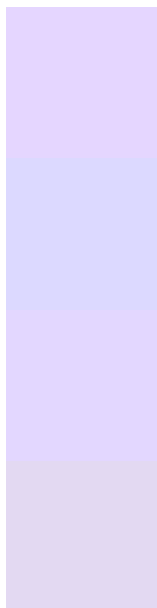
Protanopia
88, 18.849, 286.655

Deuteranopia
88, 21.324, 301.886



Tritanopia
88, 9.359, 308.353

Trichromacy



Original Color
88, 22.132, 305.150

Protanomaly
88, 19.921, 294.692

Deuteranomaly
88, 21.387, 302.782

Tritanomaly
88, 13.574, 306.023

Monochromacy



Original Color
88, 22.132, 305.150

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 8.053, 303.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 22.132, 305.150 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(229, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 214, 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(229, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 214, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 22.132, 305.150 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(229, 214, 255) }
```

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

```
.border{ border-color:rgb(229, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 214,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 22.132, 305.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 214, 255) }
```

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

```
.background{ background-color: rgb(229,  
214, 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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