

Converting Colors

CIELCh(87, 22.668, 296.253)

Have a look what the booklet for
CIELCh(87, 22.668, 296.253)
contains.

CIELCh(87, 22.130, 296.315)	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(87, 22.130, 296.315)

Conversions

Conversions Part 1

Format	Color
Hex	DAD5FF
RGB	218, 213, 255
RGB Percent	85%, 84%, 100%
CMY	0.1435, 0.1631, 0.0000
CMYK	0.14, 0.16, 0.00, 0.00
HSL	247°, 100%, 92%
HSV	247°, 16%, 100%
XYZ	71.0481, 70.0064, 104.7279
YIQ	219.2830, -10.5020, 14.1220

Conversions

Conversions Part 2

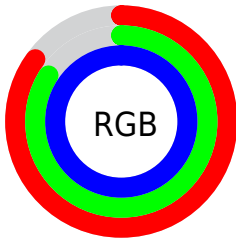
Format	Color
R _Y B	218, 213, 255
Decimal	14341631
CIE Lab	87.00, 9.81, -19.84
CIE LCh	87, 22.130, 296.315
Yxy	70.0064, 0.2891, 0.2848
Android (android.graphics.Color)	4292531711 (0xFFDAD5FF)
YUV	219.2830, 17.6085, -1.1252
Hunter-Lab	83.6698, 5.1509, -15.6433

Details

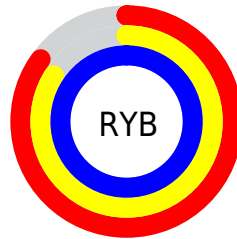
The CIELCh color `87, 22.130, 296.315` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `99, 21.117, 113.607`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 22.265, 296.881` is the 20% darker color. If you saturate the color by 10%, you get `79, 36.068, 297.422`, and if you desaturate by 10%, it is `95, 8.315, 295.417`.

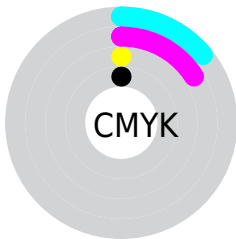
Distribution



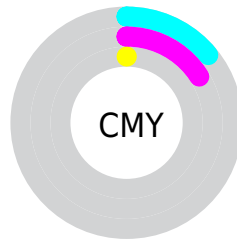
- Red (85%)
- Green (84%)
- Blue (100%)



- Red (85%)
- Yellow (84%)
- Blue (100%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 22.130, 296.315 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 87, 22.130, 296.315 by changing the saturation by 10% instead.


 87, 22.130,
296.315


 87, 22.130,
296.315


 100, 22.130,
296.315


 77, 22.130,
296.315

 67, 22.130,
296.315

 57, 22.130,
296.315

 47, 22.130,
296.315

 37, 22.130,
296.315

 27, 22.130,
296.315

 17, 22.130,

296.315

■ 7, 22.130, 296.315

■ 0, 22.130, 296.315

■ 87, 22.130,
296.315

■ 87, 22.130,
296.315

■ 79, 36.068,
297.422

■ 95, 8.315, 295.417

■ 71, 50.803,
298.670

100, 0.012,
296.813

■ 63, 66.082,
300.087

■ 55, 81.746,
301.647

■ 48, 97.366,

303.271

■ 42, 111.995,
304.796

■ 37, 123.971,
305.968

■ 34, 131.329,
306.521

■ 33, 133.076,
306.629

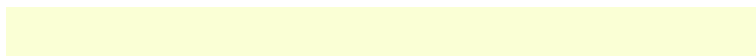
Harmonies

Complementary

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



87, 22.130, 296.315



99, 21.117, 113.607

Rectangle

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



87, 22.130, 296.315



87, 22.130, 346.315



87, 22.130, 116.315



87, 22.130, 166.315

Sweetspot

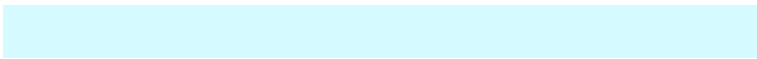
The Sweet Spot groups the original color and five complimentary colors.



87, 21.910, 296.343



96, 6.573, 295.307



96, 12.476, 210.249



51, 4.490, 295.365



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 21.910, 296.343



84, 27.066, 296.722



89, 23.533, 313.730



49, 7.536, 295.697



24, 107.059, 306.704



4, 44.401, 304.090

Inverse Universe

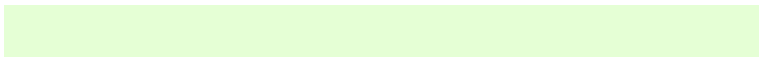
The Inverse Universe completely reimagines the original color for something new.



90, 24.003, 328.850



88, 29.463, 329.076



97, 23.145, 132.327



50, 8.338, 328.431



44, 84.691, 333.697



12, 39.405, 332.961

Previews

White Background



This preview shows how the CIELCh color 87, 22.130, 296.315 looks on a white background.

Color Contrast Check

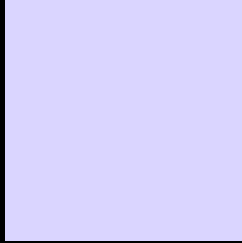
Large Text (above 18pt) WCAG AA × Fail

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 87, 22.130, 296.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

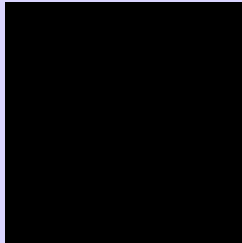
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.130, 296.315

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.130, 296.315.

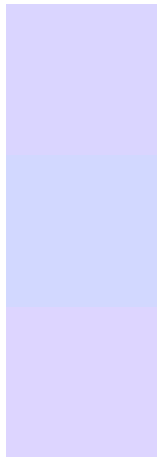


This preview shows how white text looks on a background with the CIELCh color 87, 22.130, 296.315.

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

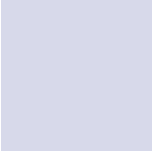
87, 22.130, 296.315

Protanopia

87, 20.481, 286.305

Deuteranopia

87, 22.238, 298.901



Tritanopia
87, 8.920, 286.459

Trichromacy



Original Color
87, 22.130, 296.315

Protanomaly
87, 20.961, 290.094

Deuteranomaly
87, 22.197, 298.040

Tritanomaly
87, 13.623, 291.310

Monochromacy



Original Color
87, 22.130, 296.315

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 7.864, 293.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.130, 296.315 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 213, 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(218, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 213, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.130, 296.315 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, 213, 255) }
```

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

```
.border{ border-color:rgb(218, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 213,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.130, 296.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 213, 255) }
```

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

```
.background{ background-color: rgb(218,  
213, 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](#).

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