

Converting Colors

CIELCh(90, 69.334, 296.747)

Have a look what the booklet for
CIELCh(90, 69.334, 296.747)
contains.

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Color

CIELCh(87, 22.702, 297.095)

Conversions

Conversions Part 1

Format	Color
Hex	DBD5FF
RGB	219, 213, 255
RGB Percent	86%, 84%, 100%
CMY	0.1407, 0.1643, 0.0000
CMYK	0.14, 0.16, 0.00, 0.00
HSL	249°, 100%, 92%
HSV	249°, 16%, 100%
XYZ	71.2972, 70.0064, 105.3240
YIQ	219.5820, -9.9060, 14.3340

Conversions

Conversions Part 2

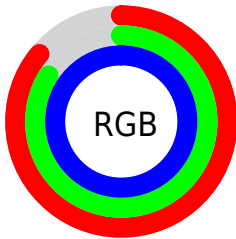
Format	Color
R _Y B	219, 213, 255
Decimal	14407167
CIE Lab	87.00, 10.34, -20.21
CIE LCh	87, 22.702, 297.095
Yxy	70.0064, 0.2891, 0.2839
Android (android.graphics.Color)	4292597247 (0xFFD5BD5F)
YUV	219.5820, 17.4611, -0.5104
Hunter-Lab	83.6698, 5.6822, -16.0657

Details

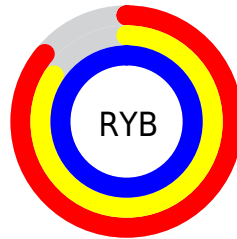
The CIELCh color **87, 22.702, 297.095** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **99, 21.311, 114.553**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 22.297, 297.769** is the 20% darker color. If you saturate the color by 10%, you get **79, 36.283, 298.226**, and if you desaturate by 10%, it is **95, 8.489, 296.307**.

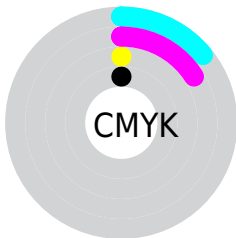
Distribution



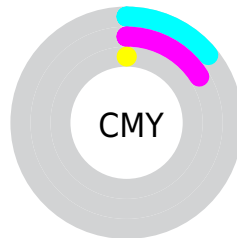
- Red (86%)
- Green (84%)
- Blue (100%)



- Red (86%)
- 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, 22.702, 297.095 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, 22.702, 297.095 by changing the saturation by 10% instead.


 87, 22.702,
297.095

 87, 22.702,
297.095


 100, 22.702,
297.095


 77, 22.702,
297.095

 67, 22.702,
297.095

 57, 22.702,
297.095

 47, 22.702,
297.095

 37, 22.702,
297.095

 27, 22.702,
297.095

 17, 22.702,

297.095

■ 7, 22.702, 297.095

■ 0, 22.702, 297.095

■ 87, 22.702,
297.095

■ 87, 22.702,
297.095

■ 79, 36.283,
298.226

■ 95, 8.489, 296.307

■ 71, 51.024,
299.413

100, 0.012,
296.813

■ 63, 66.287,
300.754

■ 56, 81.904,
302.223

■ 48, 97.435,

303.740

■ 42, 111.939,
305.151

■ 37, 123.795,
306.211

■ 34, 131.109,
306.670

■ 33, 132.827,
306.748

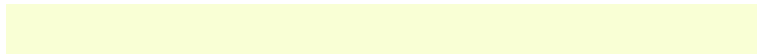
Harmonies

Complementary

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



87, 22.702, 297.095



99, 21.311, 114.553

Rectangle

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



87, 22.702, 297.095



87, 22.702, 347.095



87, 22.702, 117.095



87, 22.702, 167.095

Sweetspot

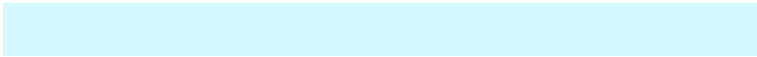
The Sweet Spot groups the original color and five complimentary colors.



87, 22.108, 297.194



96, 6.584, 296.191



96, 12.402, 212.126



51, 4.497, 296.247



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, 22.108, 297.194



84, 27.101, 297.545



89, 23.799, 314.281



49, 7.547, 296.565



24, 106.842, 306.834



4, 44.448, 304.508

Inverse Universe

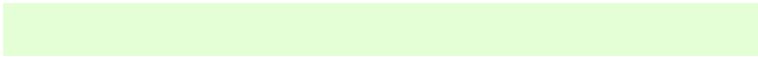
The Inverse Universe completely reimagines the original color for something new.



90, 23.795, 329.609



88, 28.993, 329.833



97, 23.423, 132.869



50, 8.204, 329.174



44, 83.181, 334.923



12, 38.783, 334.005

Previews

White Background



This preview shows how the CIELCh color 87, 22.702, 297.095 looks on a white background.

Color Contrast Check

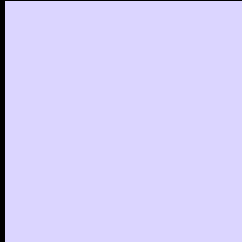
Large Text (above 18pt) WCAG AA × Fail

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, 22.702, 297.095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

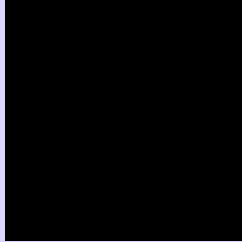
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.702, 297.095

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.702, 297.095.

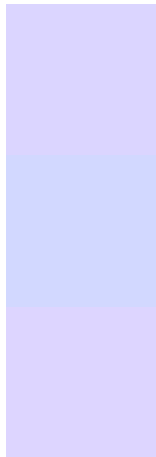


This preview shows how white text looks on a background with the CIELCh color 87, 22.702, 297.095.

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

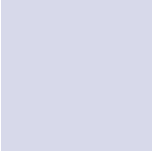
87, 22.161, 297.178

Protanopia

87, 20.481, 286.305

Deuteranopia

87, 22.238, 298.901



Tritanopia
87, 8.920, 286.459

Trichromacy



Original Color
87, 22.161, 297.178

Protanomaly
87, 20.961, 290.094

Deuteranomaly
87, 22.197, 298.040

Tritanomaly
87, 13.623, 291.310

Monochromacy



Original Color
87, 22.161, 297.178

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 8.461, 298.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.702, 297.095 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(219, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 213, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.702, 297.095 is called "border". The border property can be set on classes, ids or directly on the HTML element.

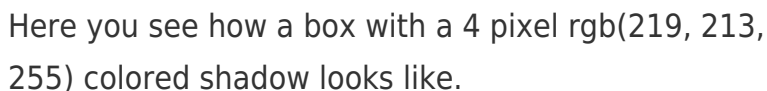
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 213, 255) }
```

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

```
.border{ border-color:rgb(219, 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(219, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 213, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 213, 255); box-shadow:4px 4px 4px 4px rgb(219, 213, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.702, 297.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 213, 255) }
```

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

```
.background{ background-color: rgb(219,  
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](#).

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