

Converting Colors

CIELCh(87, 21.010, 292.640)

Have a look what the booklet for
CIELCh(87, 21.010, 292.640)
contains.

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Color

CIELCh(87, 21.511, 292.838)

Conversions

Conversions Part 1

Format	Color
Hex	D7D6FF
RGB	215, 214, 255
RGB Percent	84%, 84%, 100%
CMY	0.1555, 0.1594, 0.0000
CMYK	0.16, 0.16, 0.00, 0.00
HSL	241°, 100%, 92%
HSV	241°, 16%, 100%
XYZ	70.3639, 70.0064, 104.7088
YIQ	218.9730, -12.5650, 12.9630

Conversions

Conversions Part 2

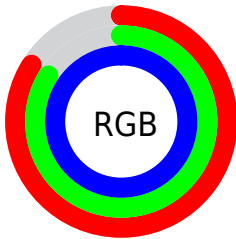
Format	Color
R _Y B	215, 214, 255
Decimal	14145279
CIE Lab	87.00, 8.35, -19.82
CIE LCh	87, 21.511, 292.838
Yxy	70.0064, 0.2871, 0.2856
Android (android.graphics.Color)	4292335359 (0xFFD7D6FF)
YUV	218.9730, 17.7613, -3.4843
Hunter-Lab	83.6698, 3.6912, -15.6298

Details

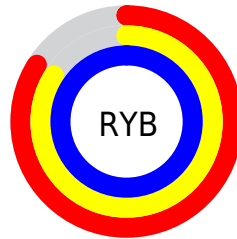
The CIELCh color `87, 21.511, 292.838` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `99, 20.553, 109.654`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 21.608, 293.292` is the 20% darker color. If you saturate the color by 10%, you get `79, 35.434, 294.130`, and if you desaturate by 10%, it is `95, 7.795, 291.730`.

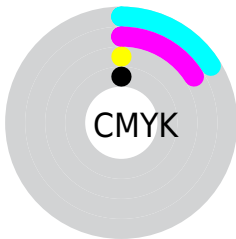
Distribution



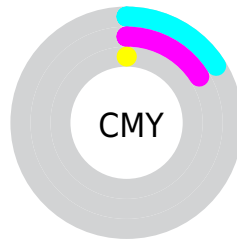
- Red (84%)
- Green (84%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.511, 292.838 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, 21.511, 292.838 by changing the saturation by 10% instead.

 87, 21.511,
292.838


 87, 21.511,
292.838


 100, 21.511,
292.838


 77, 21.511,
292.838

 67, 21.511,
292.838

 57, 21.511,
292.838

 47, 21.511,
292.838

 37, 21.511,
292.838

 27, 21.511,
292.838

 17, 21.511,

292.838

■ 7, 21.511, 292.838

■ 0, 21.511, 292.838

■ 87, 21.511,
292.838

■ 87, 21.511,
292.838

■ 79, 35.434,
294.130

■ 95, 7.795, 291.730

■ 71, 50.159,
295.654

100, 0.012,
296.813

■ 62, 65.494,
297.415

■ 55, 81.326,
299.391

■ 47, 97.255,

301.493

■ 41, 112.292,
303.522

■ 36, 124.594,
305.164

■ 33, 131.955,
306.102

■ 32, 133.709,
306.336

Harmonies

Complementary

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



87, 21.511, 292.838



99, 20.553, 109.654

Rectangle

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



87, 21.511, 292.838



87, 21.511, 342.838



87, 21.511, 112.838



87, 21.511, 162.838

Sweetspot

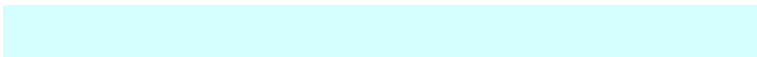
The Sweet Spot groups the original color and five complimentary colors.



87, 21.324, 292.829



96, 6.547, 291.637



97, 13.390, 200.103



51, 4.472, 291.706



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, 21.324, 292.829



84, 25.573, 293.205



89, 22.516, 310.373



49, 7.507, 292.100



23, 107.658, 306.357



3, 44.188, 302.259

Inverse Universe

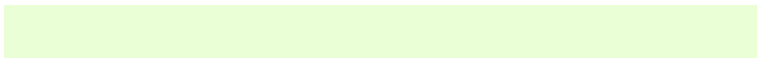
The Inverse Universe completely reimagines the original color for something new.



90, 25.053, 325.982



88, 29.879, 326.155



98, 22.044, 128.936



50, 8.907, 325.612



45, 91.302, 329.236



12, 42.101, 329.113

Previews

White Background



This preview shows how the CIELCh color 87, 21.511, 292.838 looks on a white background.

Color Contrast Check

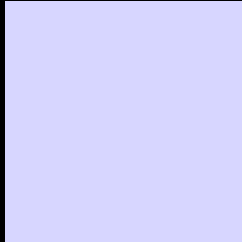
Large Text (above 18pt) WCAG AA × Fail

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, 21.511, 292.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

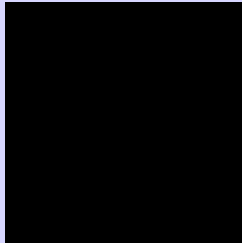
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 21.511, 292.838

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.511, 292.838.

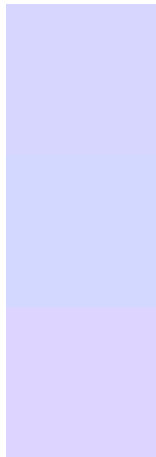


This preview shows how white text looks on a background with the CIELCh color 87, 21.511, 292.838.

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

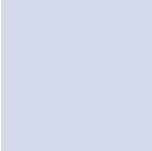
87, 21.511, 292.838

Protanopia

87, 20.481, 286.305

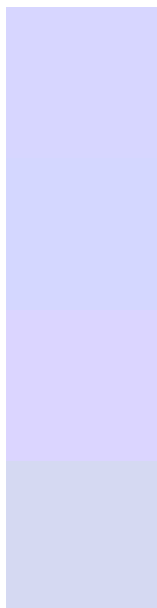
Deuteranopia

87, 22.238, 298.901



Tritanopia
87, 9.099, 277.753

Trichromacy



Original Color
87, 21.511, 292.838

Protanomaly
87, 20.968, 289.192

Deuteranomaly
87, 22.161, 297.178

Tritanomaly
87, 13.136, 285.306

Monochromacy



Original Color
87, 21.511, 292.838

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 7.871, 293.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.511, 292.838 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(215, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 214, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.511, 292.838 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(215, 214, 255) }
```

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

```
.border{ border-color:rgb(215, 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(215, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 214,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.511, 292.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 214, 255) }
```

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

```
.background{ background-color: rgb(215,  
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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