

Converting Colors

CIELCh(83, 31.949, 308.254)

Have a look what the booklet for
CIELCh(83, 31.949, 308.254)
contains.

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Color

CIELCh(83, 32.065, 308.409)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DEC4FE |
| RGB | 222, 196, 254 |
| RGB Percent | 87%, 77%, 100% |
| CMY | 0.1294, 0.2314, 0.0039 |
| CMYK | 0.13, 0.23, 0.00, 0.00 |
| HSL | 267°, 97%, 88% |
| HSV | 267°, 23%, 100% |
| XYZ | 67.7511, 62.1629, 102.1909 |
| YIQ | 210.3860, -3.1220, 23.5500 |

Conversions

Conversions Part 2

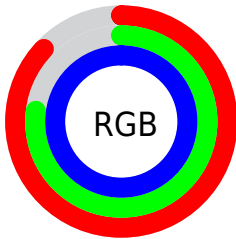
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 222, 196, 254 |
| Decimal | 14599422 |
| CIE _{Lab} | 83.00, 19.92, -25.13 |
| CIE _{LCh} | 83, 32.065, 308.409 |
| Yxy | 62.1629, 0.2919, 0.2678 |
| Android (android.graphics.Color) | 4292789502 (0xFFDEC4FE) |
| YUV | 210.3860, 21.5017, 10.1855 |
| Hunter-Lab | 78.8435, 15.4110, -21.6567 |

Details

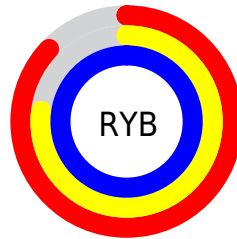
The CIELCh color `83, 32.065, 308.409` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 30.949, 126.140`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.250, 324.238`, and `63, 32.050, 308.280` is the 20% darker color. If you saturate the color by 10%, you get `76, 46.730, 308.999`, and if you desaturate by 10%, it is `90, 17.755, 307.859`.

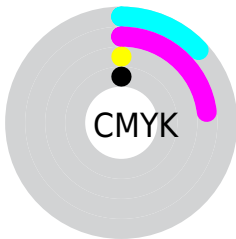
Distribution



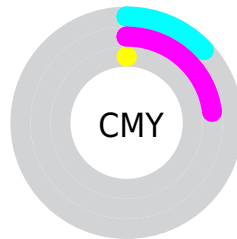
- Red (87%)
- Green (77%)
- Blue (100%)



- Red (87%)
- Yellow (77%)
- Blue (100%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 32.065, 308.409 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 83, 32.065, 308.409 by changing the saturation by 10% instead.


 83, 32.065,
308.409


 83, 32.065,
308.409


 100, 32.065,
308.409


 73, 32.065,
308.409

 63, 32.065,
308.409

 53, 32.065,
308.409

 43, 32.065,
308.409

 33, 32.065,
308.409

 23, 32.065,
308.409

 13, 32.065,

308.409

■ 3, 32.065, 308.409

■ 0, 32.065, 308.409

■ 83, 32.065,
308.409

■ 83, 32.065,
308.409

■ 76, 46.730,
308.999

■ 90, 17.755,
307.859

■ 69, 61.627,
309.615

■ 98, 3.867, 307.340

■ 62, 76.499,
310.225

100, 0.497,
109.985

■ 55, 90.898,
310.771

■ 50, 104.097,

311.167

■ 45, 115.068,
311.291

■ 41, 122.698,
311.010

■ 39, 126.081,
310.569

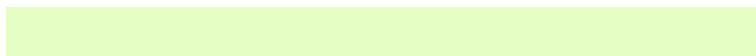
Harmonies

Complementary

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



83, 32.065, 308.409



97, 30.949, 126.140

Rectangle

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



83, 32.065, 308.409



83, 32.065, 358.409



83, 32.065, 128.409



83, 32.065, 178.409

Sweetspot

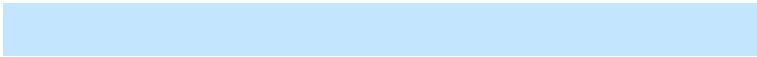
The Sweet Spot groups the original color and five complimentary colors.



83, 32.063, 308.408



95, 9.631, 307.559



89, 16.646, 251.046



50, 6.264, 307.589



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 32.063, 308.408



80, 38.258, 308.650



85, 35.727, 323.797



49, 7.851, 307.686



29, 101.652, 310.758



6, 44.921, 311.469

Inverse Universe

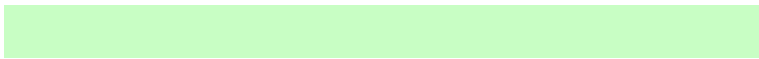
The Inverse Universe completely reimagines the original color for something new.



85, 26.767, 342.900



83, 31.812, 343.311



95, 35.604, 141.264



50, 6.611, 341.686



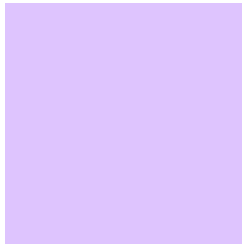
41, 69.084, 357.275



11, 32.451, 352.493

Previews

White Background



This preview shows how the CIELCh color 83, 32.065, 308.409 looks on a white background.

Color Contrast Check

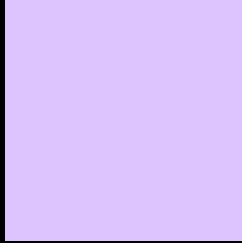
Large Text (above 18pt) WCAG AA × Fail

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 83, 32.065, 308.409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

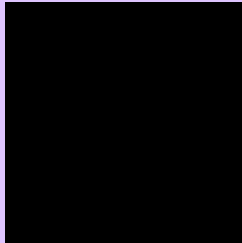
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 32.065, 308.409

Background



This preview shows how black text looks on a background with the CIELCh color 83, 32.065, 308.409.

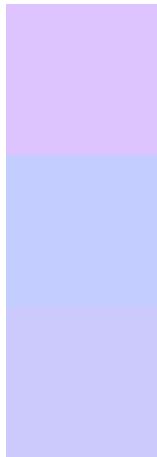


This preview shows how white text looks on a background with the CIELCh color 83, 32.065, 308.409.

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


83, 32.065, 308.409

Protanopia

83, 26.548, 285.451

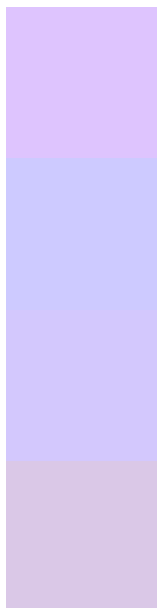
Deuteranopia

83, 27.032, 293.866



Tritanopia
83, 9.895, 321.327

Trichromacy



Original Color
83, 32.065, 308.409

Protanomaly
83, 28.100, 294.558

Deuteranomaly
83, 28.388, 299.906

Tritanomaly
83, 17.666, 312.403

Monochromacy



Original Color
83, 32.065, 308.409

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 11.589, 306.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 32.065, 308.409 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(222, 196, 254)` looks like.

```
.text, #text, p{  
    color:rgb(222, 196, 254)  
}
```

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(222, 196, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 196, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 32.065, 308.409 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(222, 196, 254) }
```

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

```
.border{ border-color:rgb(222, 196, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 196, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 196, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 196, 254);  
box-shadow:4px 4px 4px 4px rgb(222, 196,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 32.065, 308.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 196, 254) }
```

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

```
.background{ background-color: rgb(222,  
196, 254) }
```

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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