

Converting Colors

CIELCh(89, 50.429, 297.561)

Have a look what the booklet for
CIELCh(89, 50.429, 297.561)
contains.

CIELCh(87, 22.334, 300.618)	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, 22.334, 300.618)

Conversions

Conversions Part 1

Format	Color
Hex	DED4FE
RGB	222, 212, 254
RGB Percent	87%, 83%, 100%
CMY	0.1282, 0.1673, 0.0027
CMYK	0.13, 0.17, 0.00, 0.00
HSL	254°, 97%, 91%
HSV	254°, 17%, 100%
XYZ	71.7856, 70.0064, 103.7500
YIQ	219.7780, -7.5220, 15.1820

Conversions

Conversions Part 2

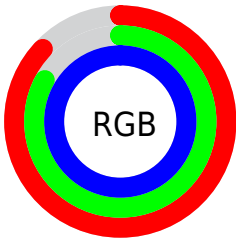
Format	Color
R _Y B	222, 212, 254
Decimal	14603518
CIE Lab	87.00, 11.37, -19.22
CIE LCh	87, 22.334, 300.618
Yxy	70.0064, 0.2924, 0.2851
Android (android.graphics.Color)	4292793598 (0xFFDED4FE)
YUV	219.7780, 16.8714, 1.9487
Hunter-Lab	83.6698, 6.7241, -14.9503

Details

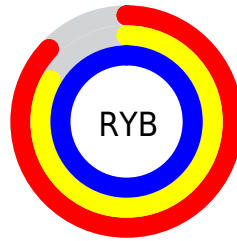
The CIELCh color `87, 22.334, 300.618` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 21.579, 118.389`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 22.503, 301.326` is the 20% darker color. If you saturate the color by 10%, you get `79, 36.541, 301.465`, and if you desaturate by 10%, it is `95, 8.642, 299.874`.

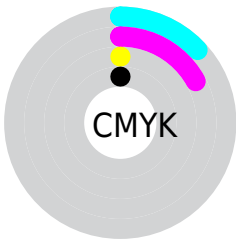
Distribution



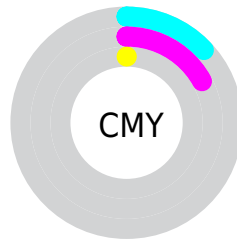
- Red (87%)
- Green (83%)
- Blue (100%)



- Red (87%)
- Yellow (83%)
- Blue (100%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (17%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.334, 300.618 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, 22.334, 300.618 by changing the saturation by 10% instead.

 87, 22.334,
300.618

 87, 22.334,
300.618


 100, 22.334,
300.618

 77, 22.334,
300.618

 67, 22.334,
300.618

 57, 22.334,
300.618

 47, 22.334,
300.618

 37, 22.334,
300.618

 27, 22.334,
300.618

 17, 22.334,

300.618

■ 7, 22.334, 300.618

■ 0, 22.334, 300.618

■ 87, 22.334,
300.618

■ 87, 22.334,
300.618

■ 79, 36.541,
301.465

■ 95, 8.642, 299.874

■ 72, 51.256,
302.423

100, 0.341,
109.926

■ 64, 66.398,
303.483

■ 57, 81.756,
304.613

■ 50, 96.866,

305.738

■ 43, 110.827,
306.727

■ 38, 122.203,
307.381

■ 35, 129.389,
307.494

■ 34, 131.137,
307.464

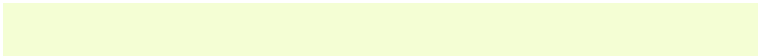
Harmonies

Complementary

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



87, 22.334, 300.618



98, 21.579, 118.389

Rectangle

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



87, 22.334, 300.618



87, 22.334, 350.618



87, 22.334, 120.618



87, 22.334, 170.618

Sweetspot

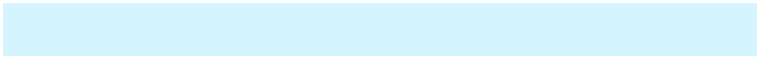
The Sweet Spot groups the original color and five complimentary colors.



87, 22.332, 300.616



96, 6.642, 299.771



94, 11.755, 224.304



51, 4.536, 299.819



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, 22.332, 300.616



84, 27.300, 300.901



89, 24.433, 317.482



49, 7.611, 300.087



25, 105.648, 307.592



4, 44.634, 306.322

Inverse Universe

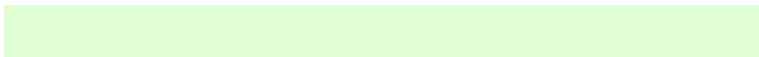
The Inverse Universe completely reimagines the original color for something new.



89, 22.317, 332.963



87, 27.139, 333.208



97, 24.162, 136.025



50, 7.673, 332.479



43, 77.505, 340.597



11, 36.403, 338.763

Previews

White Background



This preview shows how the CIELCh color 87, 22.334, 300.618 looks on a white background.

Color Contrast Check

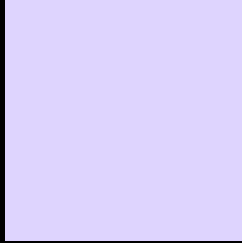
Large Text (above 18pt) WCAG AA × Fail

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, 22.334, 300.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

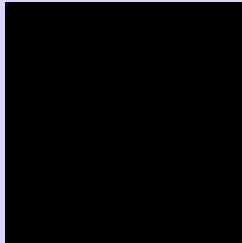
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.334, 300.618

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.334, 300.618.

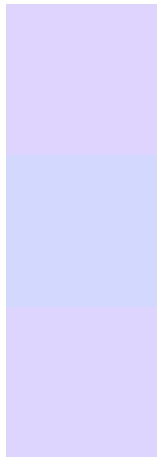


This preview shows how white text looks on a background with the CIELCh color 87, 22.334, 300.618.

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

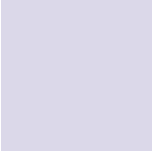
87, 22.354, 300.623

Protanopia

87, 20.481, 286.305

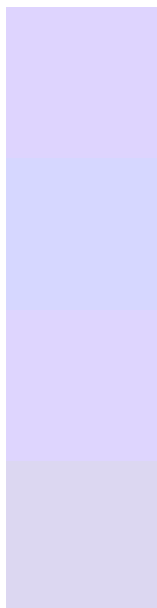
Deuteranopia

87, 21.766, 299.922



Tritanopia
87, 8.988, 297.622

Trichromacy



Original Color
87, 22.354, 300.623

Protanomaly
87, 20.959, 290.998

Deuteranomaly
87, 21.766, 299.922

Tritanomaly
87, 13.766, 298.491

Monochromacy



Original Color
87, 22.354, 300.623

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 8.000, 300.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.334, 300.618 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, 212, 254)` looks like.

```
.text, #text, p{  
    color:rgb(222, 212, 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, 212, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 212, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.334, 300.618 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, 212, 254) }
```

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

```
.border{ border-color:rgb(222, 212, 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, 212, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 212, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 212, 254);  
box-shadow:4px 4px 4px 4px rgb(222, 212,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.334, 300.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 212, 254) }
```

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

```
.background{ background-color: rgb(222,  
212, 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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