

Converting Colors

CIELCh(87, 22.017, 312.812)

Have a look what the booklet for
CIELCh(87, 22.017, 312.812)
contains.

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Color

CIELCh(87, 22.017, 312.812)

Conversions

Conversions Part 1

Format	Color
Hex	E9D2F9
RGB	233, 210, 249
RGB Percent	91%, 82%, 98%
CMY	0.0876, 0.1778, 0.0249
CMYK	0.06, 0.16, 0.00, 0.02
HSL	275°, 75%, 90%
HSV	275°, 16%, 98%
XYZ	73.4958, 70.0064, 98.9719
YIQ	221.3230, 1.1890, 17.0050

Conversions

Conversions Part 2

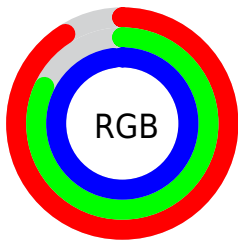
Format	Color
R _Y B	233, 210, 249
Decimal	15323897
CIE Lab	87.00, 14.96, -16.15
CIE LCh	87, 22.017, 312.812
Yxy	70.0064, 0.3031, 0.2887
Android (android.graphics.Color)	4293513977 (0xFFE9D2F9)
YUV	221.3230, 13.6448, 10.2407
Hunter-Lab	83.6698, 10.3727, -11.5645

Details

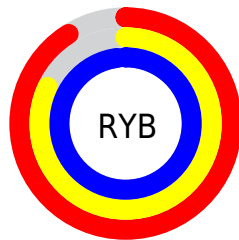
The CIELCh color `87, 22.017, 312.812` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 21.637, 131.460`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 22.553, 312.627` is the 20% darker color. If you saturate the color by 10%, you get `80, 36.459, 313.280`, and if you desaturate by 10%, it is `94, 7.876, 312.355`.

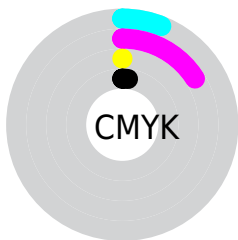
Distribution



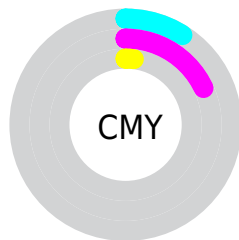
- Red (91%)
- Green (82%)
- Blue (98%)



- Red (91%)
- Yellow (82%)
- Blue (98%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)





- Cyan (9%)
- Magenta (18%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.017, 312.812 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, 22.017, 312.812 by changing the saturation by 10% instead.


 87, 22.017,
312.812

 87, 22.017,
312.812


 100, 22.017,
312.812


 77, 22.017,
312.812

 67, 22.017,
312.812

 57, 22.017,
312.812

 47, 22.017,
312.812

 37, 22.017,
312.812

 27, 22.017,
312.812

 17, 22.017,

312.812

■ 7, 22.017, 312.812

■ 0, 22.017, 312.812

■ 87, 22.017,
312.812

■ 87, 22.017,
312.812

■ 80, 36.459,
313.280

■ 94, 7.876, 312.355

■ 74, 51.084,
313.756

■ 100, 3.292,
121.908

■ 67, 65.664,
314.215

■ 100, 3.211,
109.914

■ 61, 79.832,
314.618

■ 55, 93.024,

314.906

■ 50, 104.463,
315.002

■ 47, 113.257,
314.810

■ 44, 118.702,
314.248

■ 43, 120.284,
313.926

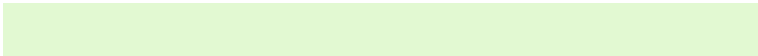
Harmonies

Complementary

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



87, 22.017, 312.812



95, 21.637, 131.460

Rectangle

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



87, 22.017, 312.812



87, 22.017, 2.812



87, 22.017, 132.812



87, 22.017, 182.812

Sweetspot

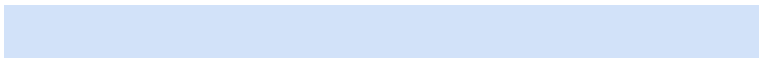
The Sweet Spot groups the original color and five complimentary colors.



87, 22.015, 312.811



96, 7.073, 312.324



89, 12.907, 266.127



51, 4.829, 312.357



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, 22.015, 312.811



87, 27.337, 312.966



88, 23.185, 327.665



48, 7.953, 312.529



32, 97.626, 314.113



6, 43.230, 315.305

Inverse Universe

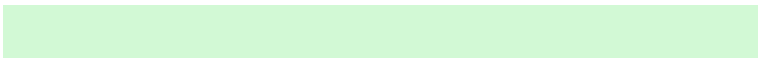
The Inverse Universe completely reimagines the original color for something new.



88, 16.428, 350.236



88, 20.410, 350.596



94, 23.149, 145.775



49, 5.926, 349.598



40, 67.527, 10.755



10, 30.511, 3.544

Previews

White Background



This preview shows how the CIELCh color 87, 22.017, 312.812 looks on a white background.

Color Contrast Check

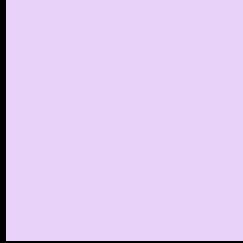
Large Text (above 18pt) WCAG AA × Fail

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, 22.017, 312.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

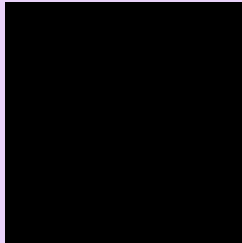
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.017, 312.812

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.017, 312.812.



This preview shows how white text looks on a background with the CIELCh color 87, 22.017, 312.812.

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, 22.017, 312.812

Protanopia
87, 19.418, 286.868

Deuteranopia
87, 19.471, 304.884



Tritanopia
87, 10.815, 324.822

Trichromacy



Original Color
87, 22.017, 312.812

Protanomaly
87, 19.505, 296.731

Deuteranomaly
87, 20.349, 308.358

Tritanomaly
87, 14.771, 318.042

Monochromacy



Original Color
87, 22.017, 312.812

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 7.889, 311.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.017, 312.812 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(233, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(233, 210, 249)  
}
```

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(233, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 210, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.017, 312.812 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(233, 210, 249) }
```

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

```
.border{ border-color:rgb(233, 210, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(233, 210,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.017, 312.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 210, 249) }
```

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

```
.background{ background-color: rgb(233,  
210, 249) }
```

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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