

Converting Colors

CIELCh(87, 19.260, 302.366)

Have a look what the booklet for
CIELCh(87, 19.260, 302.366)
contains.

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Color

CIELCh(87, 19.241, 301.896)

Conversions

Conversions Part 1

Format	Color
Hex	DFD5F9
RGB	223, 213, 249
RGB Percent	87%, 84%, 98%
CMY	0.1261, 0.1653, 0.0241
CMYK	0.10, 0.14, 0.00, 0.02
HSL	257°, 75%, 91%
HSV	257°, 14%, 98%
XYZ	71.2156, 70.0064, 99.2547
YIQ	220.0940, -5.5960, 13.3160

Conversions

Conversions Part 2

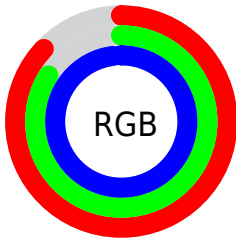
Format	Color
R _{YB}	223, 213, 249
Decimal	14669305
CIE _{Lab}	87.00, 10.17, -16.34
CIE _{LCh}	87, 19.241, 301.896
Y _{xy}	70.0064, 0.2961, 0.2911
Android (android.graphics.Color)	4292859385 (0xFFDFD5F9)
YUV	220.0940, 14.2507, 2.5486
Hunter-Lab	83.6698, 5.5081, -11.7649

Details

The CIELCh color `87, 19.241, 301.896` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 18.693, 120.096`, 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, 19.763, 302.426` is the 20% darker color. If you saturate the color by 10%, you get `79, 33.134, 302.655`, and if you desaturate by 10%, it is `95, 5.836, 301.222`.

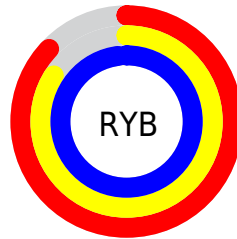
Distribution



Red (87%)

Green (84%)

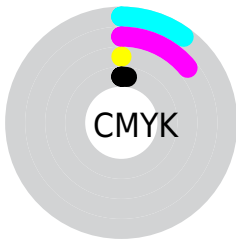
Blue (98%)



Red (87%)

Yellow (84%)

Blue (98%)

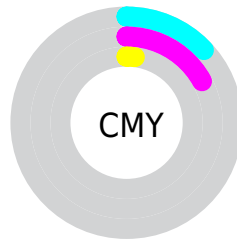


Cyan (10%)

Magenta (14%)

Yellow (0%)

Black (2%)



Cyan (13%)

Magenta (17%)

Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.241, 301.896 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, 19.241, 301.896 by changing the saturation by 10% instead.


 87, 19.241,
301.896

 87, 19.241,
301.896


 100, 19.241,
301.896


 77, 19.241,
301.896


 67, 19.241,
301.896

 57, 19.241,
301.896

 47, 19.241,
301.896

 37, 19.241,
301.896

 27, 19.241,
301.896

 17, 19.241,

301.896

■ 7, 19.241, 301.896

■ 0, 19.241, 301.896

■ 87, 19.241,
301.896

■ 87, 19.241,
301.896

■ 79, 33.134,
302.655

■ 95, 5.836, 301.222

■ 72, 47.506,
303.510

■ 100, 3.110,
109.921

■ 65, 62.280,
304.451

■ 57, 77.266,
305.450

■ 51, 92.060,

306.443

■ 44, 105.889,
307.320

■ 39, 117.507,
307.907

■ 36, 125.409,
308.010

■ 34, 128.220,
307.893

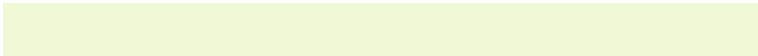
Harmonies

Complementary

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



87, 19.241, 301.896



96, 18.693, 120.096

Rectangle

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



87, 19.241, 301.896



87, 19.241, 351.896



87, 19.241, 121.896



87, 19.241, 171.896

Sweetspot

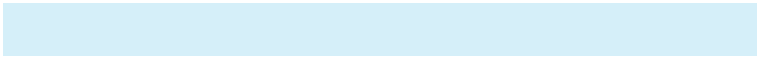
The Sweet Spot groups the original color and five complimentary colors.



87, 19.239, 301.894



97, 5.332, 301.193



93, 10.088, 228.454



51, 3.793, 301.241



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, 19.239, 301.894



87, 23.172, 302.080



88, 21.182, 318.426



48, 7.520, 301.550



25, 103.954, 308.036



4, 42.773, 306.697

Inverse Universe

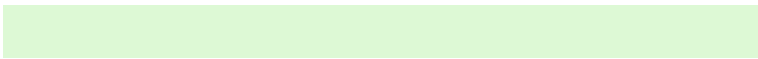
The Inverse Universe completely reimagines the original color for something new.



89, 18.663, 334.367



89, 22.406, 334.553



95, 21.001, 137.139



49, 7.335, 334.009



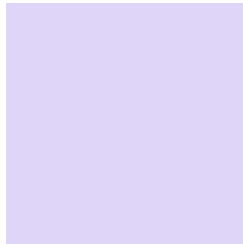
42, 74.667, 343.302



10, 34.606, 340.897

Previews

White Background



This preview shows how the CIELCh color 87, 19.241, 301.896 looks on a white background.

Color Contrast Check

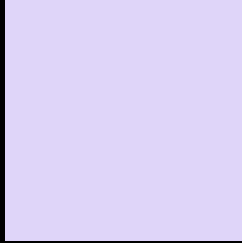
Large Text (above 18pt) WCAG AA × Fail

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, 19.241, 301.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

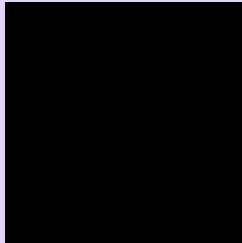
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 19.241, 301.896

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.241, 301.896.



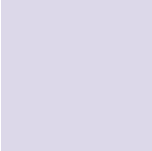
This preview shows how white text looks on a background with the CIELCh color 87, 19.241, 301.896.

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](#).

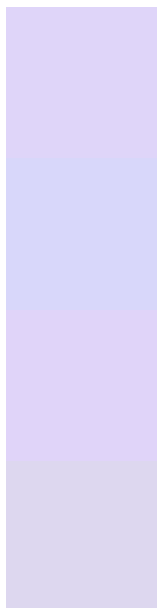
Dichromacy





Tritanopia
87, 9.039, 299.827

Trichromacy



Original Color
87, 19.241, 301.896

Protanomaly
87, 18.355, 292.745

Deuteranomaly
87, 19.905, 303.595

Tritanomaly
87, 12.783, 300.567

Monochromacy



Original Color
87, 19.241, 301.896

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 6.974, 302.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.241, 301.896 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(223, 213, 249)` looks like.

```
.text, #text, p{  
    color:rgb(223, 213, 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(223, 213, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 213, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.241, 301.896 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(223, 213, 249) }
```

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

```
.border{ border-color:rgb(223, 213, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 213, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 213, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 213, 249);  
box-shadow:4px 4px 4px 4px rgb(223, 213,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.241, 301.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 213, 249) }
```

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

```
.background{ background-color: rgb(223,  
213, 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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