

Converting Colors

CIELCh(90, 16.670, 305.345)

Have a look what the booklet for
CIELCh(90, 16.670, 305.345)
contains.

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Color

CIELCh(90, 16.722, 305.677)

Conversions

Conversions Part 1

Format	Color
Hex	E9DDFC
RGB	233, 221, 252
RGB Percent	91%, 87%, 99%
CMY	0.0850, 0.1321, 0.0105
CMYK	0.08, 0.12, 0.00, 0.01
HSL	263°, 85%, 93%
HSV	263°, 12%, 99%
XYZ	77.2680, 76.3034, 103.0175
YIQ	228.1220, -2.7990, 12.1850

Conversions

Conversions Part 2

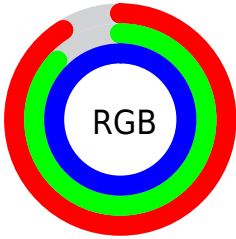
Format	Color
R _Y B	233, 221, 252
Decimal	15326716
CIE Lab	90.00, 9.75, -13.58
CIE LCh	90, 16.722, 305.677
Yxy	76.3034, 0.3011, 0.2974
Android (android.graphics.Color)	4293516796 (0xFFE9DDFC)
YUV	228.1220, 11.7719, 4.2780
Hunter-Lab	87.3518, 5.0285, -8.7768

Details

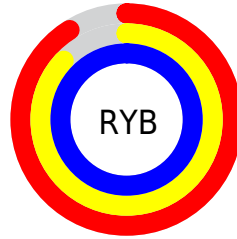
The CIELCh color `90, 16.722, 305.677` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 16.369, 124.412`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 16.459, 305.538` is the 20% darker color. If you saturate the color by 10%, you get `83, 30.820, 306.279`, and if you desaturate by 10%, it is `97, 3.070, 305.113`.

Distribution



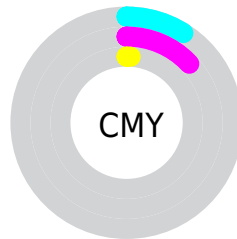
- Red (91%)
- Green (87%)
- Blue (99%)



- Red (91%)
- Yellow (87%)
- Blue (99%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)





- Cyan (9%)
- Magenta (13%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.722, 305.677 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 90, 16.722, 305.677 by changing the saturation by 10% instead.


 90, 16.722,
305.677


 90, 16.722,
305.677


 100, 16.722,
305.677


 80, 16.722,
305.677


 70, 16.722,
305.677

 60, 16.722,
305.677

 50, 16.722,
305.677

 40, 16.722,
305.677

 30, 16.722,
305.677

 20, 16.722,

305.677

■ 10, 16.722,
305.677

■ 0, 16.722, 305.677

■ 90, 16.722,
305.677

■ 90, 16.722,
305.677

■ 83, 30.820,
306.279

■ 97, 3.070, 305.113

■ 75, 45.332,
306.942

100, 1.347,
110.020

■ 68, 60.156,
307.651

■ 61, 75.080,
308.377

■ 54, 89.702,
309.066

■ 48, 103.321,
309.627

■ 43, 114.881,
309.928

■ 39, 123.128,
309.814

■ 37, 127.047,
309.440

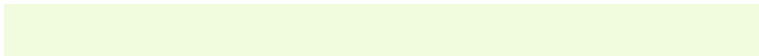
Harmonies

Complementary

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



90, 16.722, 305.677



97, 16.369, 124.412

Rectangle

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



90, 16.722, 305.677



90, 16.722, 355.677



90, 16.722, 125.677



90, 16.722, 175.677

Sweetspot

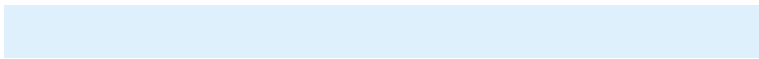
The Sweet Spot groups the original color and five complimentary colors.



90, 16.720, 305.675



97, 5.421, 305.214



94, 8.808, 243.290



51, 3.856, 305.255



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 16.720, 305.675



89, 20.677, 305.833



91, 18.768, 321.820



48, 7.640, 305.516



27, 101.905, 309.624



5, 43.058, 309.510

Inverse Universe

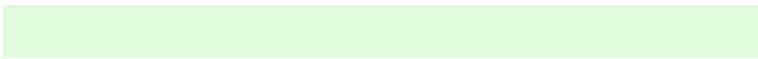
The Inverse Universe completely reimagines the original color for something new.



91, 14.822, 338.940



90, 18.289, 339.165



96, 18.692, 140.615



49, 6.786, 338.710



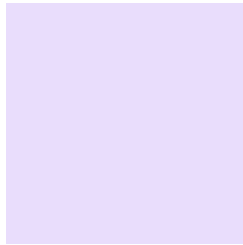
41, 70.084, 351.839



10, 32.531, 347.844

Previews

White Background



This preview shows how the CIELCh color 90, 16.722, 305.677 looks on a white background.

Color Contrast Check

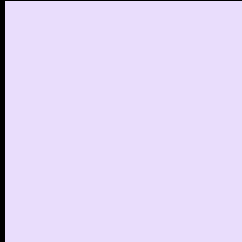
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 16.722, 305.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

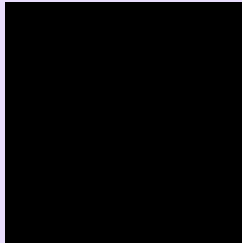
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

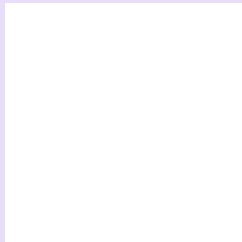
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.722, 305.677

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.722, 305.677.



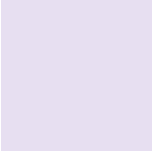
This preview shows how white text looks on a background with the CIELCh color 90, 16.722, 305.677.

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
90, 9.816, 307.447

Trichromacy



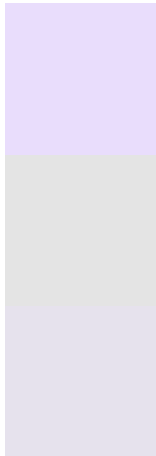
Original Color
90, 16.722, 305.677

Protanomaly
90, 15.115, 293.965

Deuteranomaly
90, 18.014, 308.090

Tritanomaly
90, 12.517, 307.205

Monochromacy



Original Color
90, 16.722, 305.677

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 5.909, 304.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.722, 305.677 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, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(233, 221, 252)  
}
```

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, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 221, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.722, 305.677 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, 221, 252) }
```

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

```
.border{ border-color:rgb(233, 221, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 221, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(233, 221,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.722, 305.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 221, 252) }
```

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

```
.background{ background-color: rgb(233,  
221, 252) }
```

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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