

Converting Colors

CIELCh(90, 12.999, 289.728)

Have a look what the booklet for
CIELCh(90, 12.999, 289.728)
contains.

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Color

CIELCh(90, 12.999, 289.728)

Conversions

Conversions Part 1

Format	Color
Hex	E0E1FA
RGB	224, 225, 250
RGB Percent	88%, 88%, 98%
CMY	0.1231, 0.1191, 0.0212
CMYK	0.10, 0.10, 0.00, 0.02
HSL	238°, 71%, 93%
HSV	238°, 10%, 98%
XYZ	74.6337, 76.3034, 100.9109
YIQ	227.5510, -8.6210, 7.5630

Conversions

Conversions Part 2

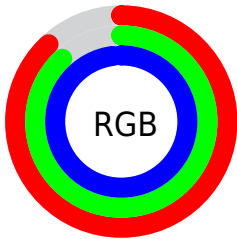
Format	Color
R_{YB}	224, 225, 250
Decimal	14737914
CIE _{Lab}	90.00, 4.39, -12.24
CIE _{LCh}	90, 12.999, 289.728
Yxy	76.3034, 0.2963, 0.3030
Android (android.graphics.Color)	4292927994 (0xFFE0E1FA)
YUV	227.5510, 11.0674, -3.1142
Hunter-Lab	87.3518, -0.3546, -7.3470

Details

The CIELCh color `90, 12.999, 289.728` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `97, 12.708, 107.548`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 13.146, 289.936` is the 20% darker color. If you saturate the color by 10%, you get `82, 25.982, 290.993`, and if you desaturate by 10%, it is `98, 0.516, 288.818`.

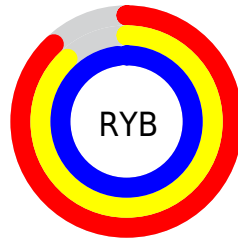
Distribution



Red (88%)

Green (88%)

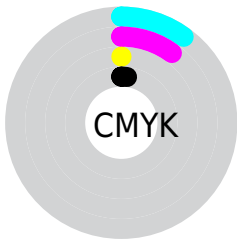
Blue (98%)



Red (88%)

Yellow (88%)

Blue (98%)

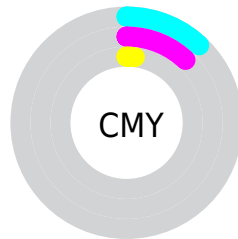


Cyan (10%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (12%)

Magenta (12%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 12.999, 289.728 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, 12.999, 289.728 by changing the saturation by 10% instead.

■ 90, 12.999,
289.728

■ 90, 12.999,
289.728

■ 100, 12.999,
289.728

■ 80, 12.999,
289.728

■ 70, 12.999,
289.728

■ 60, 12.999,
289.728

■ 50, 12.999,
289.728

■ 40, 12.999,
289.728

■ 30, 12.999,
289.728

■ 20, 12.999,

289.728

■ 10, 12.999,
289.728

■ 0, 12.999, 289.728

■ 90, 12.999,
289.728

■ 90, 12.999,
289.728

■ 82, 25.982,
290.993

■ 98, 0.516, 288.818

■ 74, 39.512,
292.492

■ 100, 2.725,
109.946

■ 66, 53.623,
294.247

■ 59, 68.308,
296.269

■ 51, 83.440,
298.524

■ 44, 98.582,
300.898

■ 39, 112.681,
303.155

■ 34, 123.892,
304.962

■ 32, 130.144,
305.968

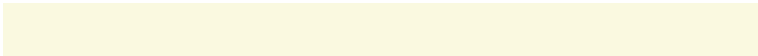
Harmonies

Complementary

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



90, 12.999, 289.728



97, 12.708, 107.548

Rectangle

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



90, 12.999, 289.728



90, 12.999, 339.728



90, 12.999, 109.728



90, 12.999, 159.728

Sweetspot

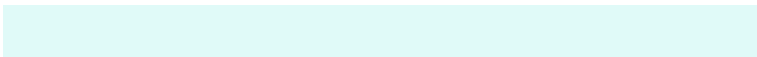
The Sweet Spot groups the original color and five complimentary colors.



90, 12.997, 289.723



98, 3.764, 288.924



96, 8.940, 194.620



52, 2.856, 289.003



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, 12.997, 289.723



90, 15.286, 289.912



91, 14.157, 307.794



48, 7.090, 289.617



23, 104.968, 305.835



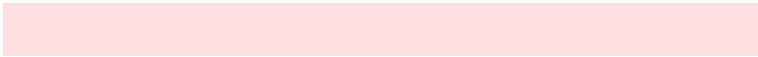
4, 40.887, 300.190

Inverse Universe

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



91, 9.491, 16.899



92, 11.195, 17.043



97, 13.926, 126.824



49, 5.168, 16.817



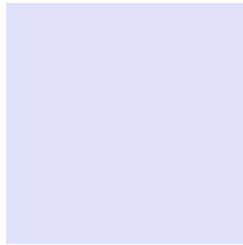
39, 81.716, 38.495



9, 31.916, 24.594

Previews

White Background



This preview shows how the CIE LCh color 90, 12.999, 289.728 looks on a white background.

Color Contrast Check

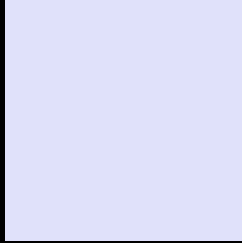
Large Text (above 18pt) WCAG AA × Fail

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 90, 12.999, 289.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

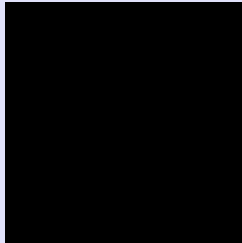
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 12.999, 289.728

Background



This preview shows how black text looks on a background with the CIELCh color 90, 12.999, 289.728.

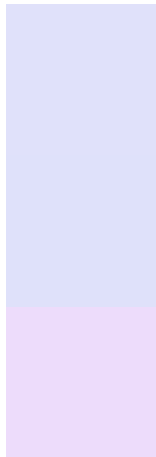


This preview shows how white text looks on a background with the CIELCh color 90, 12.999, 289.728.

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

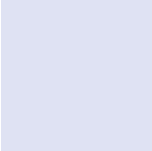
90, 12.999, 289.728

Protanopia

90, 13.007, 288.232

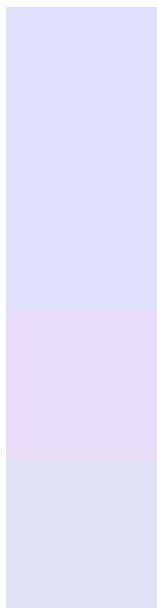
Deuteranopia

90, 17.247, 311.274



Tritanopia
90, 8.880, 284.210

Trichromacy



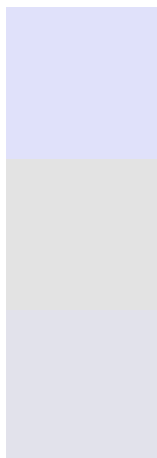
Original Color
90, 12.999, 289.728

Protanomaly
90, 13.007, 288.232

Deuteranomaly
90, 15.029, 304.543

Tritanomaly
90, 10.415, 287.244

Monochromacy



Original Color
90, 12.999, 289.728

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.683, 290.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 12.999, 289.728 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(224, 225, 250)` looks like.

```
.text, #text, p{  
    color:rgb(224, 225, 250)  
}
```

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(224, 225, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 225, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 12.999, 289.728 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(224, 225, 250) }
```

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

```
.border{ border-color:rgb(224, 225, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 225, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 225, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 225, 250);  
box-shadow:4px 4px 4px 4px rgb(224, 225,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 12.999, 289.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 225, 250) }
```

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

```
.background{ background-color: rgb(224,  
225, 250) }
```

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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