

Converting Colors

CIELCh(91, 12.573, 291.199)

Have a look what the booklet for
CIELCh(91, 12.573, 291.199)
contains.

CIELCh(91, 12.979, 291.220)	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(91, 12.979, 291.220)

Conversions

Conversions Part 1

Format	Color
Hex	E3E3FC
RGB	227, 227, 252
RGB Percent	89%, 89%, 99%
CMY	0.1089, 0.1088, 0.0108
CMYK	0.10, 0.10, 0.00, 0.01
HSL	240°, 82%, 94%
HSV	240°, 10%, 99%
XYZ	76.8988, 78.4833, 103.3950
YIQ	229.8500, -8.0250, 7.7750

Conversions

Conversions Part 2

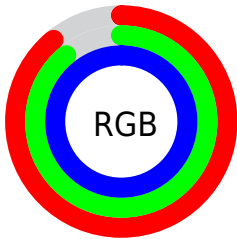
Format	Color
R _Y B	227, 227, 252
Decimal	14935036
CIE Lab	91.00, 4.70, -12.10
CIE LCh	91, 12.979, 291.220
Yxy	78.4833, 0.2972, 0.3033
Android (android.graphics.Color)	4293125116 (0xFFE3E3FC)
YUV	229.8500, 10.9200, -2.4994
Hunter-Lab	88.5908, -0.0920, -7.1843

Details

The CIELCh color `91, 12.979, 291.220` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `98, 12.679, 109.208`, 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 `71, 12.573, 291.414` is the 20% darker color. If you saturate the color by 10%, you get `83, 26.605, 292.446`, and if you desaturate by 10%, it is `99, 0.101, 109.405`.

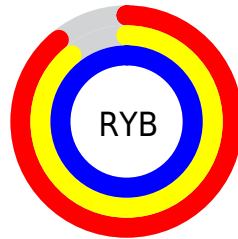
Distribution



Red (89%)

Green (89%)

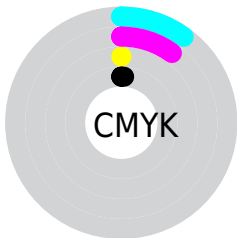
Blue (99%)



Red (89%)

Yellow (89%)

Blue (99%)

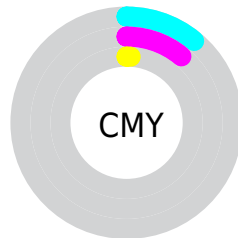


Cyan (10%)

Magenta (10%)

Yellow (0%)

Black (1%)



Cyan (11%)

Magenta (11%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 12.979, 291.220 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 91, 12.979, 291.220 by changing the saturation by 10% instead.

■ 91, 12.979,
291.220

■ 91, 12.979,
291.220

■ 100, 12.979,
291.220

■ 81, 12.979,
291.220

■ 71, 12.979,
291.220

■ 61, 12.979,
291.220

■ 51, 12.979,
291.220

■ 41, 12.979,
291.220

■ 31, 12.979,
291.220

■ 21, 12.979,

291.220

■ 11, 12.979,
291.220

■ 1, 12.979, 291.220

■ 91, 12.979,
291.220

■ 91, 12.979,
291.220

■ 83, 26.605,
292.446

■ 99, 0.101, 109.405

■ 75, 40.827,
293.901

100, 1.385,
110.019

■ 67, 55.673,
295.605

■ 59, 71.116,
297.562

■ 51, 86.965,
299.728

■ 44, 102.635,
301.967

■ 38, 116.794,
304.016

■ 34, 127.280,
305.519

■ 32, 132.677,
306.281

Harmonies

Complementary

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



91, 12.979, 291.220



98, 12.679, 109.208

Rectangle

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



91, 12.979, 291.220



91, 12.979, 341.220



91, 12.979, 111.220



91, 12.979, 161.220

Sweetspot

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



91, 12.977, 291.215



98, 3.915, 290.489



97, 8.551, 197.505



52, 2.971, 290.567



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 12.977, 291.215



90, 15.915, 291.456



92, 13.668, 308.931



48, 7.379, 291.168



23, 106.704, 306.286



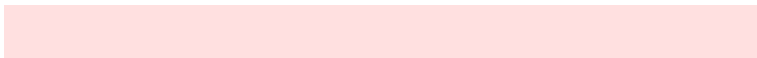
3, 42.023, 300.805

Inverse Universe

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



92, 9.094, 19.968



92, 11.200, 20.137



98, 13.468, 128.045



49, 5.167, 19.934



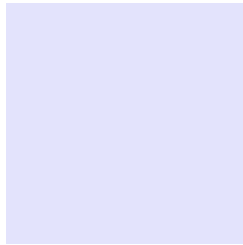
39, 83.387, 39.996



9, 32.195, 26.136

Previews

White Background



This preview shows how the CIE LCh color 91, 12.979, 291.220 looks on a white background.

Color Contrast Check

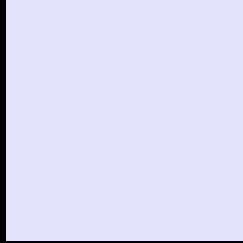
Large Text (above 18pt) WCAG AA × Fail

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 91, 12.979, 291.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

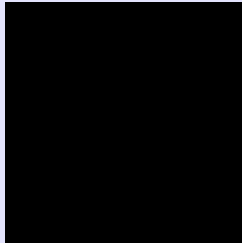
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 12.979, 291.220

Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.979, 291.220.

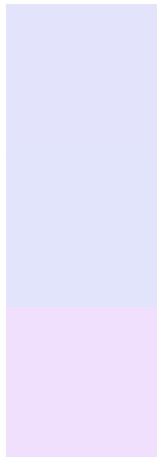


This preview shows how white text looks on a background with the CIELCh color 91, 12.979, 291.220.

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

91, 12.979, 291.220

Protanopia

91, 12.458, 288.047

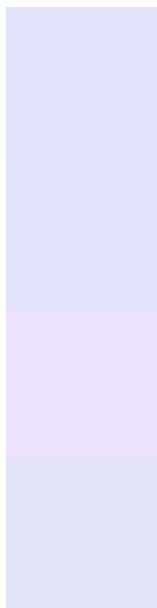
Deuteranopia

91, 16.721, 311.867



Tritanopia
91, 9.355, 286.715

Trichromacy



Original Color
91, 12.979, 291.220

Protanomaly
91, 12.458, 288.047

Deuteranomaly
91, 14.992, 304.535

Tritanomaly
91, 10.389, 287.231

Monochromacy



Original Color
91, 12.979, 291.220

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 4.672, 290.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 12.979, 291.220 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(227, 227, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 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(227, 227, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 12.979, 291.220 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(227, 227, 252) }
```

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

```
.border{ border-color:rgb(227, 227, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 227, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 12.979, 291.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 252) }
```

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

```
.background{ background-color: rgb(227,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor