

Converting Colors

CIELCh(78, 31.596, 301.352)

Have a look what the booklet for
CIELCh(78, 31.596, 301.352)
contains.

CIELCh(78, 31.566, 301.344)	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(78, 31.566, 301.344)

Conversions

Conversions Part 1

Format	Color
Hex	C7B9F3
RGB	199, 185, 243
RGB Percent	78%, 73%, 95%
CMY	0.2202, 0.2751, 0.0477
CMYK	0.18, 0.24, 0.00, 0.05
HSL	254°, 70%, 84%
HSV	254°, 24%, 95%
XYZ	56.9779, 53.2120, 91.9285
YIQ	195.7980, -10.2740, 21.0060

Conversions

Conversions Part 2

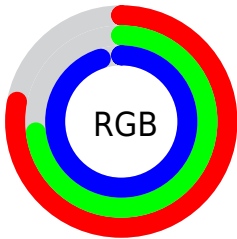
Format	Color
RYB	199, 185, 243
Decimal	13089267
CIELab	78.00, 16.42, -26.96
CIELCh	78, 31.566, 301.344
Yxy	53.2120, 0.2819, 0.2633
Android (android.graphics.Color)	4291279347 (0xFFC7B9F3)
YUV	195.7980, 23.2706, 2.8082
Hunter-Lab	72.9466, 11.7682, -23.6556

Details

The CIELCh color **78, 31.566, 301.344** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94, 30.012, 118.046**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 8.725, 324.710**, and **58, 31.682, 301.014** is the 20% darker color. If you saturate the color by 10%, you get **71, 45.612, 302.263**, and if you desaturate by 10%, it is **85, 18.007, 300.532**.

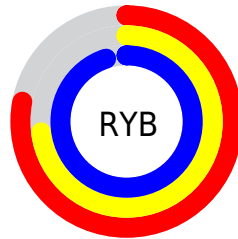
Distribution



Red (78%)

Green (73%)

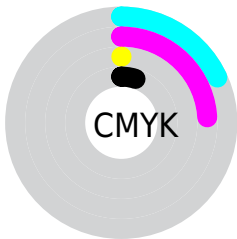
Blue (95%)



Red (78%)

Yellow (73%)

Blue (95%)

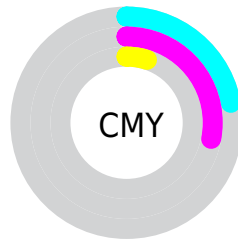


Cyan (18%)

Magenta (24%)

Yellow (0%)

Black (5%)



Cyan (22%)


Magenta (28%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 31.566, 301.344 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 78, 31.566, 301.344 by changing the saturation by 10% instead.

 78, 31.566,
301.344

 78, 31.566,
301.344

 100, 31.566,
301.344

 68, 31.566,
301.344


 98, 31.566,
301.344

 58, 31.566,
301.344

 48, 31.566,
301.344

 38, 31.566,
301.344

 28, 31.566,
301.344

 18, 31.566,
301.344

 8, 31.566, 301.344

0, 31.566, 301.344

78, 31.566,
301.344

78, 31.566,
301.344

71, 45.612,
302.263

85, 18.007,
300.532

63, 60.097,
303.287

93, 4.947, 299.821

56, 74.859,
304.389

100, 6.170,
112.650

49, 89.533,
305.511

100, 6.158,
109.705

43, 103.390,
306.539

38, 115.196,
307.295

■ 34, 123.379,
307.564

■ 33, 126.539,
307.515

Harmonies

Complementary

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



78, 31.566, 301.344



94, 30.012, 118.046

Rectangle

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



78, 31.566, 301.344



78, 31.566, 351.344



78, 31.566, 121.344



78, 31.566, 171.344

Sweetspot

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



78, 31.564, 301.343



95, 9.333, 300.035



88, 16.029, 224.829



50, 6.070, 300.077



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 31.564, 301.343



78, 40.268, 301.808



80, 34.244, 317.809



47, 7.362, 300.209



24, 103.471, 307.641



4, 40.641, 305.194

Inverse Universe

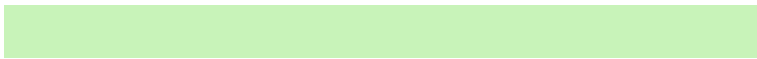
The Inverse Universe completely reimagines the original color for something new.



81, 31.094, 333.609



82, 39.274, 333.985



92, 33.712, 135.635



48, 7.402, 332.603



42, 75.803, 340.790



10, 34.489, 338.744

Previews

White Background



This preview shows how the CIELCh color 78, 31.566, 301.344 looks on a white background.

Color Contrast Check

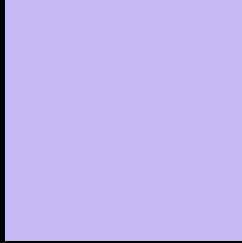
Large Text (above 18pt) WCAG AA × Fail

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 78, 31.566, 301.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

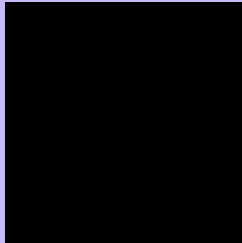
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 31.566, 301.344

Background



This preview shows how black text looks on a background with the CIELCh color 78, 31.566, 301.344.

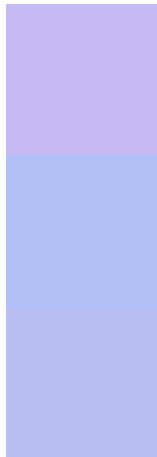


This preview shows how white text looks on a background with the CIELCh color 78, 31.566, 301.344.

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


78, 31.566, 301.344

Protanopia

78, 30.153, 284.984

Deuteranopia

78, 28.414, 290.753



Tritanopia
78, 8.595, 293.342

Trichromacy



Original Color
78, 31.566, 301.344

Protanomaly
78, 30.013, 291.008

Deuteranomaly
78, 29.581, 295.352

Tritanomaly
78, 16.758, 297.619

Monochromacy



Original Color
78, 31.566, 301.344

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 11.410, 300.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 31.566, 301.344 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(199, 185, 243)` looks like.

```
.text, #text, p{  
    color:rgb(199, 185, 243)  
}
```

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(199, 185, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 185, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 31.566, 301.344 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(199, 185, 243) }
```

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

```
.border{ border-color:rgb(199, 185, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 185, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 185, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 185, 243);  
box-shadow:4px 4px 4px 4px rgb(199, 185,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 31.566, 301.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 185, 243) }
```

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

```
.background{ background-color: rgb(199,  
185, 243) }
```

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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