

Converting Colors

CIELCh(88, 10.585, 312.065)

Have a look what the booklet for
CIELCh(88, 10.585, 312.065)
contains.

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Color

CIELCh(88, 10.707, 312.103)

Conversions

Conversions Part 1

Format	Color
Hex	E4D9EC
RGB	228, 217, 236
RGB Percent	89%, 85%, 93%
CMY	0.1065, 0.1496, 0.0751
CMYK	0.03, 0.08, 0.00, 0.08
HSL	275°, 33%, 89%
HSV	275°, 8%, 92%
XYZ	71.8395, 72.0653, 89.3646
YIQ	222.4550, 0.4570, 8.2410

Conversions

Conversions Part 2

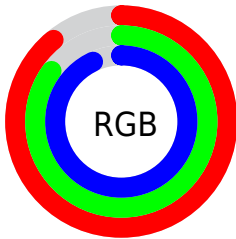
Format	Color
RYB	228, 217, 236
Decimal	14997996
CIELab	88.00, 7.18, -7.94
CIELCh	88, 10.707, 312.103
Yxy	72.0653, 0.3080, 0.3089
Android (android.graphics.Color)	4293188076 (0xFFE4D9EC)
YUV	222.4550, 6.6777, 4.8630
Hunter-Lab	84.8913, 2.4965, -2.9904

Details

The CIELCh color `88, 10.707, 312.103` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 10.595, 131.450`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 10.775, 313.253` is the 20% darker color. If you saturate the color by 10%, you get `81, 24.297, 312.559`, and if you desaturate by 10%, it is `95, 2.538, 131.762`.

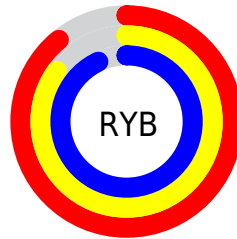
Distribution



Red (89%)

Green (85%)

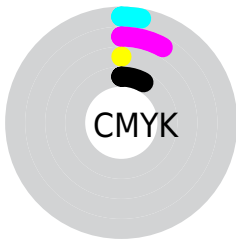
Blue (93%)



Red (89%)

Yellow (85%)

Blue (93%)

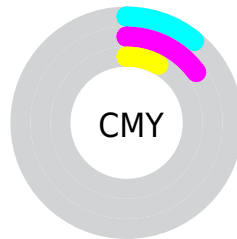


Cyan (3%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (11%)


Magenta (15%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 10.707, 312.103 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 88, 10.707, 312.103 by changing the saturation by 10% instead.


 88, 10.707,
312.103


 88, 10.707,
312.103


 100, 10.707,
312.103


 78, 10.707,
312.103

 68, 10.707,
312.103

 58, 10.707,
312.103

 48, 10.707,
312.103

 38, 10.707,
312.103

 28, 10.707,
312.103

 18, 10.707,

312.103

■ 8, 10.707, 312.103

■ 0, 10.707, 312.103

■ 88, 10.707,
312.103

■ 88, 10.707,
312.103

■ 81, 24.297,
312.559

■ 95, 2.538, 131.762

■ 75, 38.169,
313.035

■ 99, 10.073,
124.415

■ 68, 52.185,
313.516

■ 100, 9.694,
109.443

■ 62, 66.112,
313.974

■ 57, 79.564,

314.367

■ 51, 91.963,
314.632

■ 47, 102.528,
314.685

■ 43, 110.397,
314.430

■ 41, 115.075,
313.803

Harmonies

Complementary

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



88, 10.707, 312.103



92, 10.595, 131.450

Rectangle

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



88, 10.707, 312.103



88, 10.707, 2.103



88, 10.707, 132.103



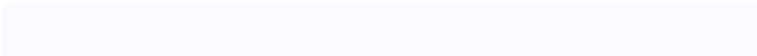
88, 10.707, 182.103

Sweetspot

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



88, 10.705, 312.101



99, 2.817, 311.797



89, 6.243, 263.404



53, 1.602, 311.790



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 10.705, 312.101



93, 14.197, 312.191



89, 11.496, 326.715



46, 7.532, 312.165



30, 94.860, 313.856



5, 38.058, 314.275

Inverse Universe

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



88, 8.047, 348.791



93, 10.677, 348.991



92, 11.474, 145.829



46, 5.664, 348.932



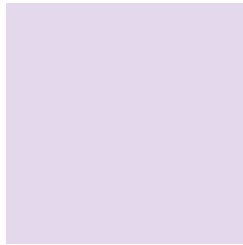
38, 65.380, 9.535



8, 28.048, 1.311

Previews

White Background



This preview shows how the CIELCh color 88, 10.707, 312.103 looks on a white background.

Color Contrast Check

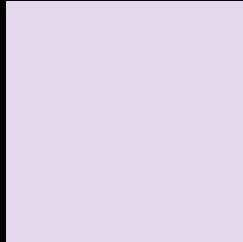
Large Text (above 18pt) WCAG AA × Fail

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 88, 10.707, 312.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

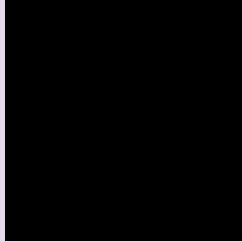
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

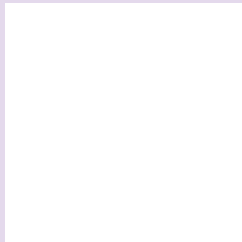
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 10.707, 312.103

Background



This preview shows how black text looks on a background with the CIELCh color 88, 10.707, 312.103.



This preview shows how white text looks on a background with the CIELCh color 88, 10.707, 312.103.

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

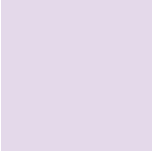
88, 10.707, 312.103

Protanopia

88, 9.423, 293.071

Deuteranopia

88, 13.750, 323.688



Tritanopia
88, 9.744, 314.316

Trichromacy



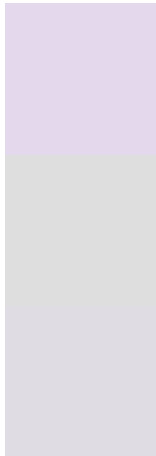
Original Color
88, 10.707, 312.103

Protanomaly
88, 10.115, 300.913

Deuteranomaly
88, 12.570, 319.474

Tritanomaly
88, 10.224, 313.156

Monochromacy



Original Color
88, 10.707, 312.103

Achromatopsia
88, 0.011, 296.813

Achromatomaly
88, 3.946, 311.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 10.707, 312.103 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(228, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(228, 217, 236)  
}
```

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(228, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 217, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 10.707, 312.103 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(228, 217, 236) }
```

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

```
.border{ border-color:rgb(228, 217, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 217, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(228, 217,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 10.707, 312.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 217, 236) }
```

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

```
.background{ background-color: rgb(228,  
217, 236) }
```

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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