

Converting Colors

CIE LCh(89, 8.201, 301.110)

Have a look what the booklet for
CIELCh(89, 8.201, 301.110) contains.

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Color

CIELCh(89, 8.555, 302.651)

Conversions

Conversions Part 1

Format	Color
Hex	E2DDED
RGB	226, 221, 237
RGB Percent	89%, 87%, 93%
CMY	0.1128, 0.1324, 0.0697
CMYK	0.05, 0.07, 0.00, 0.07
HSL	259°, 31%, 90%
HSV	259°, 7%, 93%
XYZ	72.6695, 74.1641, 90.7797
YIQ	224.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

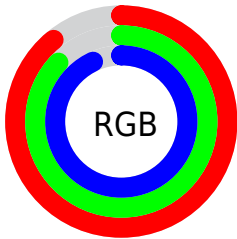
Format	Color
R _Y B	226, 221, 237
Decimal	14867949
CIE Lab	89.00, 4.62, -7.20
CIE LCh	89, 8.555, 302.651
Yxy	74.1641, 0.3058, 0.3121
Android (android.graphics.Color)	4293058029 (0xFFE2DDED)
YUV	224.3190, 6.2517, 1.4742
Hunter-Lab	86.1186, -0.0838, -2.2160

Details

The CIELCh color `89, 8.555, 302.651` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 8.431, 121.896`, 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 `69, 8.480, 303.498` is the 20% darker color. If you saturate the color by 10%, you get `82, 21.602, 303.292`, and if you desaturate by 10%, it is `96, 4.039, 122.105`.

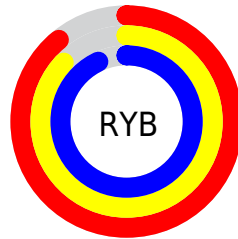
Distribution



Red (89%)

Green (87%)

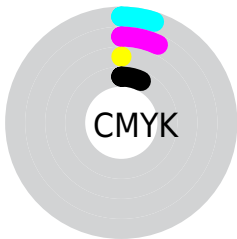
Blue (93%)



Red (89%)

Yellow (87%)

Blue (93%)

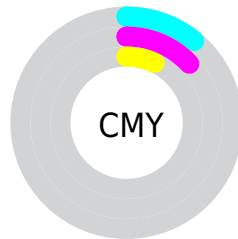


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 8.555, 302.651 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 89, 8.555, 302.651 by changing the saturation by 10% instead.

89, 8.555, 302.651

89, 8.555, 302.651

100, 8.555,
302.651

79, 8.555, 302.651

69, 8.555, 302.651

59, 8.555, 302.651

49, 8.555, 302.651

39, 8.555, 302.651

29, 8.555, 302.651

19, 8.555, 302.651

9, 8.555, 302.651

0, 8.555, 302.651

89, 8.555, 302.651

89, 8.555, 302.651

82, 21.602,
303.292

96, 4.039, 122.105

75, 35.107,
304.019

100, 8.996,
109.495

68, 49.033,
304.825

61, 63.277,
305.698

54, 77.609,
306.600

47, 91.565,
307.463

42, 104.326,
308.167

37, 114.663,
308.545

■ 34, 121.293,
308.428

Harmonies

Complementary

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



89, 8.555, 302.651



93, 8.431, 121.896

Rectangle

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



89, 8.555, 302.651



89, 8.555, 352.651



89, 8.555, 122.651



89, 8.555, 172.651

Sweetspot

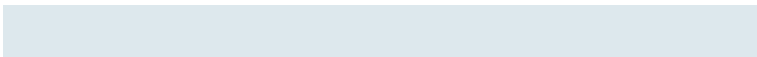
The Sweet Spot groups the original color and five complimentary colors.



89, 8.553, 302.646



98, 2.675, 302.353



91, 4.586, 232.174



53, 1.521, 302.346



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 8.553, 302.646



94, 10.780, 302.725



90, 9.524, 319.085



46, 7.300, 302.815



25, 101.240, 308.494



4, 38.835, 306.341

Inverse Universe

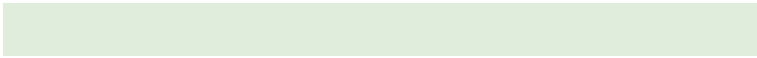
The Inverse Universe completely reimagines the original color for something new.



90, 8.121, 335.207



95, 10.225, 335.305



93, 9.476, 138.529



47, 6.915, 335.415



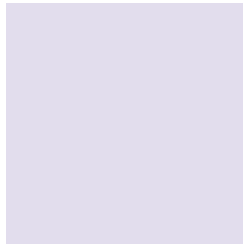
41, 71.575, 345.795



9, 32.137, 342.650

Previews

White Background



This preview shows how the CIELCh color 89, 8.555, 302.651 looks on a white background.

Color Contrast Check

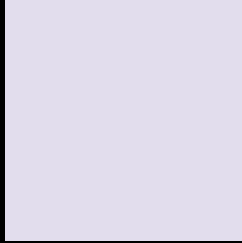
Large Text (above 18pt) WCAG AA × Fail

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 89, 8.555, 302.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

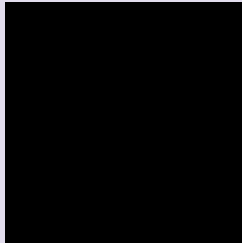
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

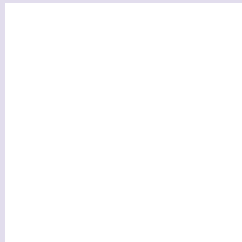
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 8.555, 302.651

Background



This preview shows how black text looks on a background with the CIELCh color 89, 8.555, 302.651.

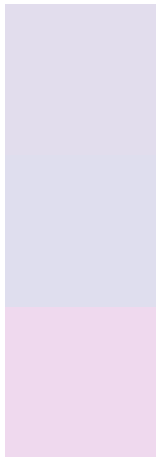


This preview shows how white text looks on a background with the CIELCh color 89, 8.555, 302.651.

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

89, 8.555, 302.651

Protanopia

89, 8.358, 293.252

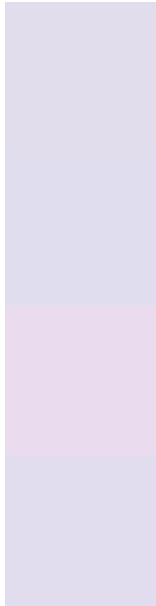
Deuteranopia

89, 13.487, 326.175



Tritanopia
89, 9.065, 301.999

Trichromacy



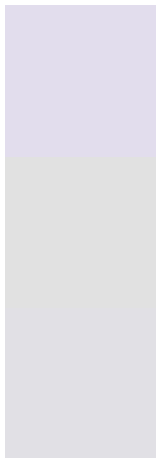
Original Color
89, 8.555, 302.651

Protanomaly
89, 8.384, 295.630

Deuteranomaly
89, 11.282, 318.826

Tritanomaly
89, 9.065, 301.999

Monochromacy



Original Color
89, 8.555, 302.651

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 2.639, 298.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 8.555, 302.651 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(226, 221, 237)` looks like.

```
.text, #text, p{  
    color:rgb(226, 221, 237)  
}
```

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(226, 221, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 221, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 8.555, 302.651 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(226, 221, 237) }
```

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

```
.border{ border-color:rgb(226, 221, 237) }
```

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

Here you see how a box with a 4 pixel rgb(226, 221, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 221, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 221, 237);  
box-shadow:4px 4px 4px 4px rgb(226, 221,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 8.555, 302.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 221, 237) }
```

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

```
.background{ background-color: rgb(226,  
221, 237) }
```

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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