

Converting Colors

CIELCh(89, 13.261, 302.154)

Have a look what the booklet for
CIELCh(89, 13.261, 302.154)
contains.

CIELCh(89, 13.305, 301.681)	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(89, 13.305, 301.681)

Conversions

Conversions Part 1

Format	Color
Hex	E3DCF5
RGB	227, 220, 245
RGB Percent	89%, 86%, 96%
CMY	0.1095, 0.1370, 0.0389
CMYK	0.07, 0.10, 0.00, 0.04
HSL	257°, 56%, 91%
HSV	257°, 10%, 96%
XYZ	73.8065, 74.1641, 96.8708
YIQ	224.9430, -3.8530, 9.2590

Conversions

Conversions Part 2

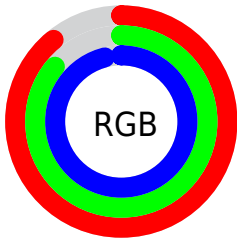
Format	Color
R _{YB}	227, 220, 245
Decimal	14933237
CIE Lab	89.00, 6.99, -11.32
CIE LCh	89, 13.305, 301.681
Yxy	74.1641, 0.3014, 0.3029
Android (android.graphics.Color)	4293123317 (0xFFE3DCF5)
YUV	224.9430, 9.8881, 1.8040
Hunter-Lab	86.1186, 2.2728, -6.4096

Details

The CIELCh color `89, 13.305, 301.681` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `95, 13.031, 120.443`, 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 `69, 13.484, 302.261` is the 20% darker color. If you saturate the color by 10%, you get `82, 26.822, 302.395`, and if you desaturate by 10%, it is `96, 0.268, 300.877`.

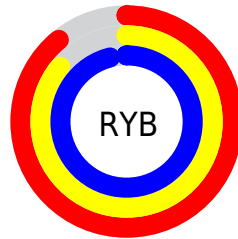
Distribution



Red (89%)

Green (86%)

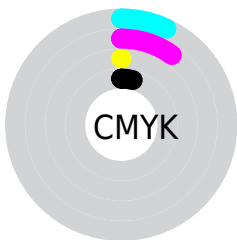
Blue (96%)



Red (89%)

Yellow (86%)

Blue (96%)

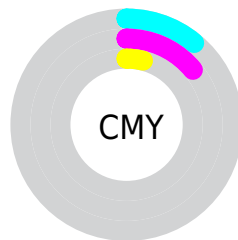


Cyan (7%)

Magenta (10%)

Yellow (0%)

Black (4%)



Cyan (11%)


Magenta (14%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 13.305, 301.681 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, 13.305, 301.681 by changing the saturation by 10% instead.


 89, 13.305,
301.681


 89, 13.305,
301.681


 100, 13.305,
301.681


 79, 13.305,
301.681

 69, 13.305,
301.681

 59, 13.305,
301.681

 49, 13.305,
301.681

 39, 13.305,
301.681

 29, 13.305,
301.681

 19, 13.305,

301.681

■ 9, 13.305, 301.681

■ 0, 13.305, 301.681

■ 89, 13.305,
301.681

■ 89, 13.305,
301.681

■ 82, 26.822,
302.395

■ 96, 0.268, 300.877

■ 74, 40.822,
303.206

■ 100, 5.021,
109.787

■ 67, 55.257,
304.106

■ 60, 70.000,
305.079

■ 53, 84.755,

306.077

■ 46, 98.937,
307.013

■ 41, 111.522,
307.741

■ 36, 121.075,
308.068

■ 34, 126.691,
307.925

Harmonies

Complementary

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



89, 13.305, 301.681



95, 13.031, 120.443

Rectangle

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



89, 13.305, 301.681



89, 13.305, 351.681



89, 13.305, 121.681



89, 13.305, 171.681

Sweetspot

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



89, 13.303, 301.678



98, 3.995, 301.210



93, 7.100, 228.158



52, 3.031, 301.262



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, 13.303, 301.678



91, 16.214, 301.802



90, 14.699, 318.232



47, 7.396, 301.630



25, 102.859, 308.070



4, 40.773, 306.154

Inverse Universe

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



90, 12.943, 334.146



92, 15.745, 334.278



95, 14.601, 137.357



48, 7.201, 334.095



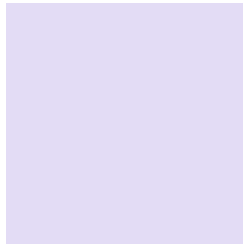
42, 73.820, 343.439



10, 33.665, 340.894

Previews

White Background



This preview shows how the CIELCh color 89, 13.305, 301.681 looks on a white background.

Color Contrast Check

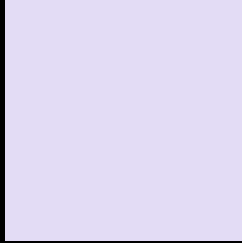
Large Text (above 18pt) WCAG AA × Fail

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 89, 13.305, 301.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

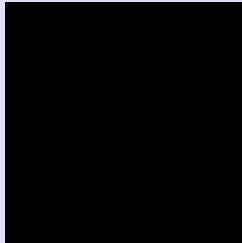
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 13.305, 301.681

Background



This preview shows how black text looks on a background with the CIELCh color 89, 13.305, 301.681.

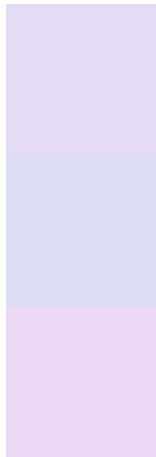


This preview shows how white text looks on a background with the CIELCh color 89, 13.305, 301.681.

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, 13.305, 301.681

Protanopia

89, 12.512, 289.635

Deuteranopia

89, 16.448, 313.657



Tritanopia
89, 9.577, 301.421

Trichromacy



Original Color
89, 13.305, 301.681

Protanomaly
89, 13.072, 294.246

Deuteranomaly
89, 15.462, 309.578

Tritanomaly
89, 10.603, 300.445

Monochromacy



Original Color
89, 13.305, 301.681

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 4.826, 303.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 13.305, 301.681 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, 220, 245)` looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 245)  
}
```

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, 220, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 13.305, 301.681 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, 220, 245) }
```

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

```
.border{ border-color:rgb(227, 220, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 220, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 220, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 220, 245);  
box-shadow:4px 4px 4px 4px rgb(227, 220,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 13.305, 301.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 245) }
```

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

```
.background{ background-color: rgb(227,  
220, 245) }
```

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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