

# Converting Colors

CIELCh(85, 13.212, 323.623)

Have a look what the booklet for  
CIELCh(85, 13.212, 323.623)  
contains.

<b>CIELCh(85, 13.212, 323.623)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(85, 13.212, 323.623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CEE3
RGB	226, 206, 227
RGB Percent	89%, 81%, 89%
CMY	0.1129, 0.1913, 0.1089
CMYK	0.00, 0.09, 0.00, 0.11
HSL	297°, 27%, 85%
HSV	297°, 9%, 89%
XYZ	67.4499, 66.0070, 82.0158
YIQ	214.3740, 5.1790, 10.7710

# Conversions

## Conversions Part 2

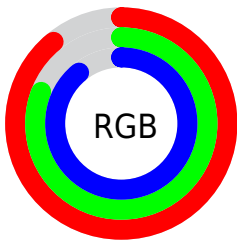
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 206, 227
Decimal	14864099
CIE <sub>Lab</sub>	85.00, 10.64, -7.84
CIE <sub>LCh</sub>	85, 13.212, 323.623
Yxy	66.0070, 0.3130, 0.3063
Android (android.graphics.Color)	4293054179 (0xFFE2CEE3)
YUV	214.3740, 6.2246, 10.1960
Hunter-Lab	81.2447, 6.0136, -2.9814

# Details

The CIELCh color `85, 13.212, 323.623` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 13.179, 142.674`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 13.259, 323.672` is the 20% darker color. If you saturate the color by 10%, you get `79, 27.634, 324.152`, and if you desaturate by 10%, it is `91, 1.063, 143.383`.

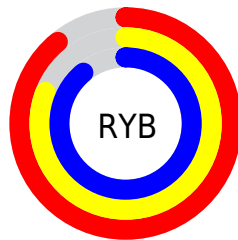
# Distribution



Red (89%)

Green (81%)

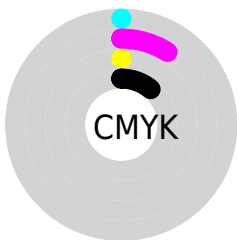
Blue (89%)



Red (89%)

Yellow (81%)

Blue (89%)

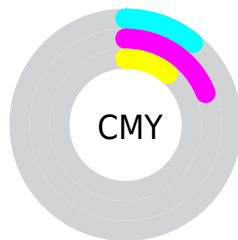


Cyan (0%)

Magenta (9%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (19%)


Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 13.212, 323.623 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 85, 13.212, 323.623 by changing the saturation by 10% instead.





 85, 13.212,  
323.623


 85, 13.212,  
323.623


 100, 13.212,  
323.623


 75, 13.212,  
323.623

 65, 13.212,  
323.623

 55, 13.212,  
323.623

 45, 13.212,  
323.623

 35, 13.212,  
323.623

 25, 13.212,  
323.623

 15, 13.212,

323.623

■ 5, 13.212, 323.623

■ 0, 13.212, 323.623

■ 85, 13.212,  
323.623

■ 85, 13.212,  
323.623

■ 79, 27.634,  
324.152

■ 91, 1.063, 143.383

■ 74, 42.000,  
324.663

■ 97, 15.051,  
142.642

■ 69, 56.004,  
325.146

■ 98, 16.895,  
141.679

■ 64, 69.226,  
325.581

■ 98, 16.686,  
140.610

■ 60, 81.142,

■ 98, 16.483,  
139.512

325.947

98, 16.286,  
138.384

57, 91.170,  
326.221

98, 16.095,  
137.225

55, 98.782,  
326.383

98, 15.911,  
136.036

53, 103.660,  
326.422

98, 15.734,  
134.817

52, 106.039,  
326.347

# Harmonies

# Complementary

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



85, 13.212, 323.623



88, 13.179, 142.674

# Rectangle

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



85, 13.212, 323.623



85, 13.212, 13.623



85, 13.212, 143.623



85, 13.212, 193.623

# Sweetspot

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



85, 13.210, 323.623



98, 4.691, 323.258



84, 10.538, 289.101



52, 3.557, 323.313



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



85, 13.210, 323.623



93, 17.283, 323.721



85, 9.772, 341.746



45, 8.185, 323.635



41, 88.646, 326.369



8, 37.182, 326.654

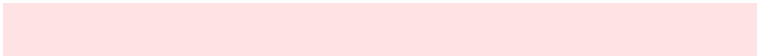


# Inverse Universe

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



85, 7.774, 16.064



92, 10.228, 16.230



89, 9.674, 160.353



45, 4.820, 16.084



37, 77.949, 38.040

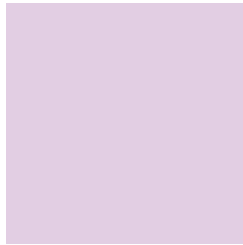


6, 26.953, 19.796



# Previews

## White Background



This preview shows how the CIELCh color 85, 13.212, 323.623 looks on a white background.

## Color Contrast Check

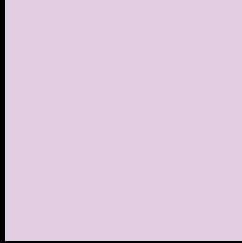
Large Text (above 18pt) WCAG AA × Fail

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 85, 13.212, 323.623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

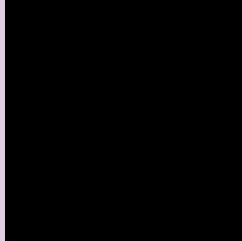
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 85, 13.212, 323.623

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 13.212, 323.623.



This preview shows how white text looks on a background with the CIELCh color 85, 13.212, 323.623.

# 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

85, 13.212, 323.623

### Protanopia

85, 10.003, 291.031

### Deuteranopia

85, 13.212, 323.623





**Tritanopia**  
85, 10.880, 329.577

# Trichromacy



**Original Color**  
85, 13.212, 323.623

**Protanomaly**  
85, 10.945, 305.935

**Deuteranomaly**  
85, 13.212, 323.623

**Tritanomaly**  
85, 11.708, 326.330

# Monochromacy



**Original Color**  
85, 13.212, 323.623

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
86, 4.485, 324.556

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 13.212, 323.623 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, 206, 227)` looks like.

```
.text, #text, p{  
    color:rgb(226, 206, 227)  
}
```

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, 206, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 206, 227) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 13.212, 323.623 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, 206, 227) }
```

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

```
.border{ border-color:rgb(226, 206, 227) }
```

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

Here you see how a box with a 4 pixel rgb(226, 206, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 206, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 206, 227);  
box-shadow:4px 4px 4px 4px rgb(226, 206,  
227) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 13.212, 323.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 206, 227) }
```

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

```
.background{ background-color: rgb(226,  
206, 227) }
```

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