

Converting Colors

CIELCh(85, 16.110, 318.637)

Have a look what the booklet for
CIELCh(85, 16.110, 318.637)
contains.

CIELCh(85, 16.096, 318.635)	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(85, 16.096, 318.635)

Conversions

Conversions Part 1

Format	Color
Hex	E2CEE8
RGB	226, 206, 232
RGB Percent	89%, 81%, 91%
CMY	0.1118, 0.1941, 0.0883
CMYK	0.03, 0.12, 0.00, 0.09
HSL	287°, 37%, 86%
HSV	287°, 12%, 91%
XYZ	68.1066, 66.0070, 85.8618
YIQ	214.9440, 3.5740, 12.3260

Conversions

Conversions Part 2

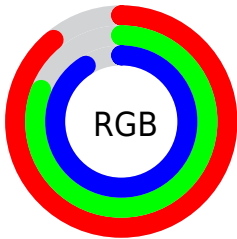
Format	Color
R _Y B	226, 206, 232
Decimal	14864104
CIE Lab	85.00, 12.08, -10.64
CIE LCh	85, 16.096, 318.635
Yxy	66.0070, 0.3096, 0.3001
Android (android.graphics.Color)	4293054184 (0xFFE2CEE8)
YUV	214.9440, 8.4086, 9.6961
Hunter-Lab	81.2447, 7.4566, -5.7881

Details

The CIELCh color **85, 16.096, 318.635** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90, 15.982, 137.619**, 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, 15.159, 319.141** is the 20% darker color. If you saturate the color by 10%, you get **79, 30.188, 319.086**, and if you desaturate by 10%, it is **91, 2.213, 318.109**.

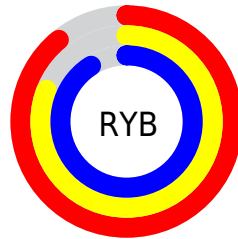
Distribution



Red (89%)

Green (81%)

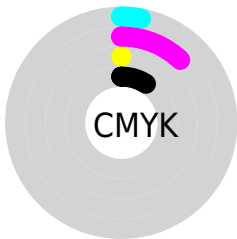
Blue (91%)



Red (89%)

Yellow (81%)

Blue (91%)

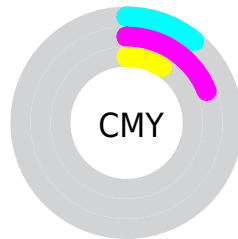


Cyan (3%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (11%)


Magenta (19%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 16.096, 318.635 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, 16.096, 318.635 by changing the saturation by 10% instead.


 85, 16.096,
318.635


 85, 16.096,
318.635


 100, 16.096,
318.635


 75, 16.096,
318.635

 65, 16.096,
318.635

 55, 16.096,
318.635

 45, 16.096,
318.635

 35, 16.096,
318.635

 25, 16.096,
318.635

 15, 16.096,

318.635

■ 5, 16.096, 318.635

■ 0, 16.096, 318.635

■ 85, 16.096,
318.635

■ 85, 16.096,
318.635

■ 79, 30.188,
319.086

■ 91, 2.213, 318.109

■ 73, 44.337,
319.528

■ 97, 11.359,
137.812

■ 67, 58.285,
319.940

■ 99, 12.371,
131.372

■ 62, 71.657,
320.294

■ 99, 11.772,
123.132

■ 57, 83.933,

■ 99, 11.444,
114.132

320.551

99, 11.392,
109.316

53, 94.474,
320.665

50, 102.609,
320.583

48, 107.849,
320.260

47, 110.245,
319.819

Harmonies

Complementary

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



85, 16.096, 318.635



90, 15.982, 137.619

Rectangle

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



85, 16.096, 318.635



85, 16.096, 8.635



85, 16.096, 138.635



85, 16.096, 188.635

Sweetspot

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



85, 16.094, 318.634



98, 4.452, 318.217



85, 11.058, 279.799



52, 3.376, 318.264



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, 16.094, 318.634



91, 20.967, 318.746



85, 14.258, 333.721



46, 7.920, 318.537



36, 91.369, 319.942



7, 38.620, 320.929

Inverse Universe

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



85, 10.421, 2.637



91, 13.631, 2.912



90, 14.191, 152.188



46, 5.111, 2.403



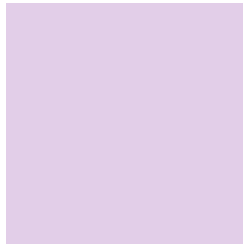
38, 70.789, 27.644



7, 27.869, 13.435

Previews

White Background



This preview shows how the CIELCh color 85, 16.096, 318.635 looks on a white background.

Color Contrast Check

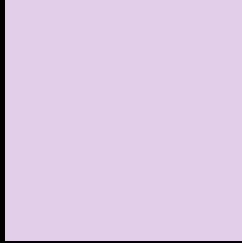
Large Text (above 18pt) WCAG AA × Fail

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 85, 16.096, 318.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

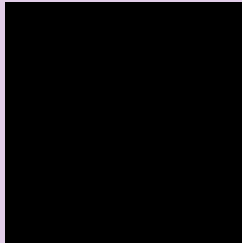
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 16.096, 318.635

Background



This preview shows how black text looks on a background with the CIELCh color 85, 16.096, 318.635.



This preview shows how white text looks on a background with the CIELCh color 85, 16.096, 318.635.

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, 15.472, 318.355

Protanopia

85, 13.164, 288.305

Deuteranopia

85, 15.163, 315.948



Tritanopia
85, 10.658, 328.048

Trichromacy



Original Color
85, 15.472, 318.355

Protanomaly
85, 13.889, 299.932

Deuteranomaly
85, 15.314, 317.163

Tritanomaly
85, 12.777, 324.906

Monochromacy



Original Color
85, 15.472, 318.355

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.384, 318.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 16.096, 318.635 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(226, 206, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 206, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 16.096, 318.635 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, 232) }
```

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

```
.border{ border-color:rgb(226, 206, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 206, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 206, 232);  
box-shadow:4px 4px 4px 4px rgb(226, 206,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 16.096, 318.635 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, 232) }
```

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

```
.background{ background-color: rgb(226,  
206, 232) }
```

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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