

Converting Colors

CIELCh(85, 3.813, 3.525)

Have a look what the booklet for
CIELCh(85, 3.813, 3.525) contains.

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Color

CIELCh(85, 3.801, 3.519)

Conversions

Conversions Part 1

Format	Color
Hex	DCD2D4
RGB	220, 210, 212
RGB Percent	86%, 82%, 83%
CMY	0.1376, 0.1768, 0.1689
CMYK	0.00, 0.05, 0.04, 0.14
HSL	348°, 12%, 84%
HSV	348°, 5%, 86%
XYZ	64.3922, 66.0070, 71.5819
YIQ	213.2180, 5.3180, 2.7420

Conversions

Conversions Part 2

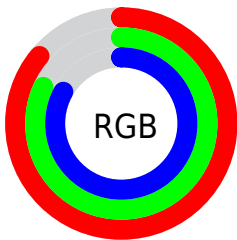
Format	Color
RYB	220, 210, 212
Decimal	14471892
CIELab	85.00, 3.79, 0.23
CIElCh	85, 3.801, 3.519
Yxy	66.0070, 0.3188, 0.3268
Android (android.graphics.Color)	4292661972 (0xFFDCD2D4)
YUV	213.2180, -0.6005, 5.9478
Hunter-Lab	81.2447, -0.7043, 4.6329

Details

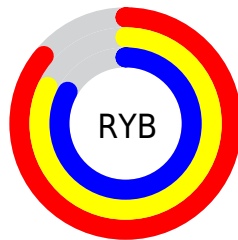
The CIELCh color **85, 3.801, 3.519** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 3.726, 183.018**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 3.521, 10.559** is the 20% darker color. If you saturate the color by 10%, you get **79, 12.478, 4.652**, and if you desaturate by 10%, it is **91, 4.424, 182.943**.

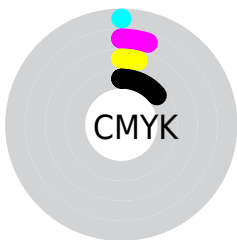
Distribution



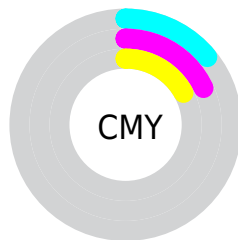
- Red (86%)
- Green (82%)
- Blue (83%)



- Red (86%)
- Yellow (82%)
- Blue (83%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (14%)



- Cyan (14%)
- Magenta (18%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 3.801, 3.519 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, 3.801, 3.519 by changing the saturation by 10% instead.

85, 3.801, 3.519

85, 3.801, 3.519

100, 3.801, 3.519

75, 3.801, 3.519

65, 3.801, 3.519

55, 3.801, 3.519

45, 3.801, 3.519

35, 3.801, 3.519

25, 3.801, 3.519

15, 3.801, 3.519

5, 3.801, 3.519

0, 3.801, 3.519

85, 3.801, 3.519

85, 3.801, 3.519

79, 12.478, 4.652

91, 4.424, 182.943

73, 21.580, 5.867

97, 12.196,
182.110

68, 31.018, 7.321

98, 11.828,
198.716

63, 40.620, 9.105

58, 50.121, 11.335

54, 59.164, 14.159

50, 67.380, 17.730

48, 74.515, 22.145

47, 80.562, 27.308

Harmonies

Complementary

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



85, 3.801, 3.519



87, 3.726, 183.018

Rectangle

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



85, 3.801, 3.519



85, 3.801, 53.519



85, 3.801, 183.519



85, 3.801, 233.519

Sweetspot

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



85, 3.799, 3.541



99, 0.937, 2.711



85, 6.026, 318.974



53, 0.533, 2.672



0, 0.000, 0.000



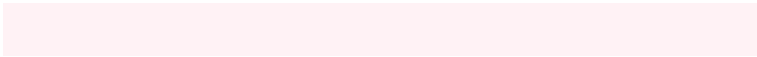
53, 0.007, 296.813

Same Dimension

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



85, 3.799, 3.541



97, 4.718, 3.602



86, 2.984, 51.077



44, 2.848, 3.675



36, 69.444, 29.197



5, 23.743, 11.636

Inverse Universe

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



85, 3.799, 3.541



97, 4.718, 3.602



86, 2.921, 232.063



44, 2.848, 3.675



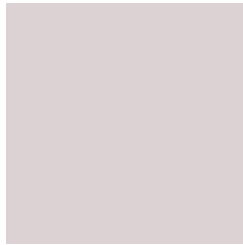
36, 69.444, 29.197



5, 23.743, 11.636

Previews

White Background



This preview shows how the CIELCh color 85, 3.801, 3.519 looks on a white background.

Color Contrast Check

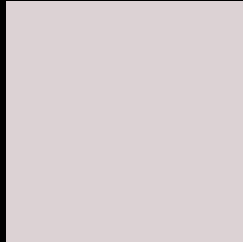
Large Text (above 18pt) WCAG AA × Fail

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, 3.801, 3.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

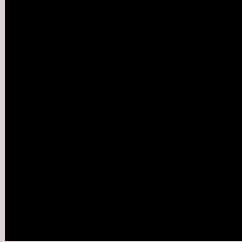
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

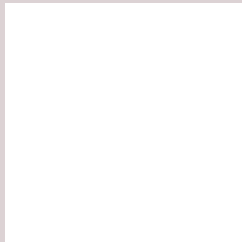
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 3.801, 3.519

Background



This preview shows how black text looks on a background with the CIELCh color 85, 3.801, 3.519.

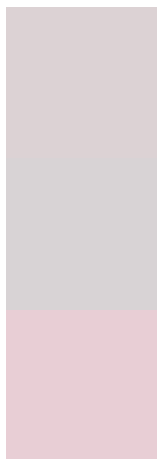


This preview shows how white text looks on a background with the CIELCh color 85, 3.801, 3.519.

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

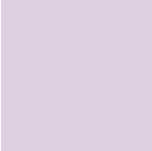
85, 3.801, 3.519

Protanopia

85, 2.109, 349.397

Deuteranopia

85, 10.231, 359.164



Tritanopia
85, 9.844, 321.317

Trichromacy



Original Color

85, 3.801, 3.519

Protanomaly

85, 2.430, 353.740

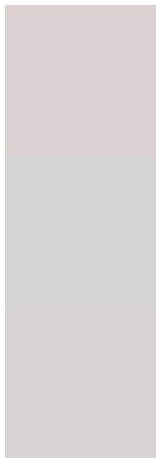
Deuteranomaly

85, 8.318, 357.775

Tritanomaly

85, 7.257, 327.041

Monochromacy



Original Color

85, 3.801, 3.519

Achromatopsia

85, 0.010, 296.813

Achromatomaly

85, 1.550, 359.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 3.801, 3.519 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(220, 210, 212)` looks like.

```
.text, #text, p{  
    color:rgb(220, 210, 212)  
}
```

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(220, 210, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 210, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 3.801, 3.519 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(220, 210, 212) }
```

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

```
.border{ border-color:rgb(220, 210, 212) }
```

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

Here you see how a box with a 4 pixel rgb(220, 210, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 210, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 210, 212);  
box-shadow:4px 4px 4px 4px rgb(220, 210,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 3.801, 3.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 210, 212) }
```

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

```
.background{ background-color: rgb(220,  
210, 212) }
```

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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