

Converting Colors

CIELCh(85, 2.971, 81.648)

Have a look what the booklet for
CIELCh(85, 2.971, 81.648) contains.

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Color

CIELCh(85, 2.984, 80.552)

Conversions

Conversions Part 1

Format	Color
Hex	D8D4CF
RGB	216, 212, 207
RGB Percent	85%, 83%, 81%
CMY	0.1540, 0.1696, 0.1893
CMYK	0.00, 0.02, 0.04, 0.15
HSL	33°, 10%, 83%
HSV	33°, 4%, 85%
XYZ	62.9497, 66.0070, 68.2871
YIQ	212.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

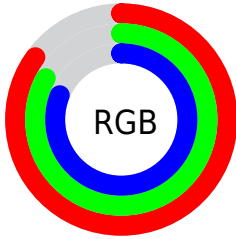
Format	Color
R _Y B	214, 216, 207
Decimal	14210255
CIE Lab	85.00, 0.49, 2.94
CIE LCh	85, 2.984, 80.552
Yxy	66.0070, 0.3191, 0.3346
Android (android.graphics.Color)	4292400335 (0xFFD8D4CF)
YUV	212.6260, -2.7736, 2.9590
Hunter-Lab	81.2447, -3.8736, 7.0374

Details

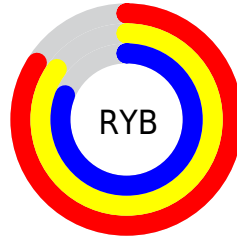
The CIELCh color `85, 2.984, 80.552` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 2.981, 261.876`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `65, 2.689, 74.715` is the 20% darker color. If you saturate the color by 10%, you get `82, 10.349, 79.400`, and if you desaturate by 10%, it is `88, 4.120, 262.030`.

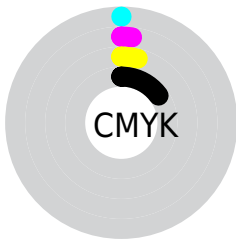
Distribution



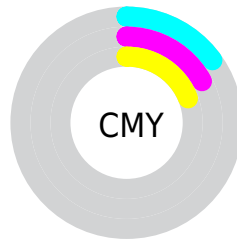
- Red (85%)
- Green (83%)
- Blue (81%)



- Red (84%)
- Yellow (85%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (15%)



- Cyan (15%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 2.984, 80.552 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, 2.984, 80.552 by changing the saturation by 10% instead.



85, 2.984, 80.552

85, 2.984, 80.552

82, 10.349, 79.400

88, 4.120, 262.030

79, 17.992, 78.105

91, 10.987,
263.172

76, 25.917, 76.772

94, 11.020,
241.957

74, 34.107, 75.409

71, 42.493, 74.008

96, 11.724,
211.275

68, 50.911, 72.543

97, 13.176,
198.626

66, 59.023, 70.943

63, 66.199, 69.059

61, 71.496, 66.623

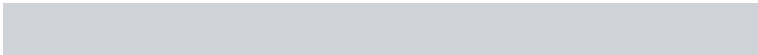
Harmonies

Complementary

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



85, 2.984, 80.552



84, 2.981, 261.876

Rectangle

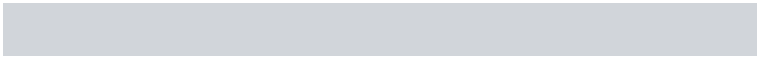
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



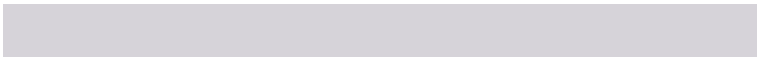
85, 2.984, 80.552



85, 2.984, 130.552



85, 2.984, 260.552



85, 2.984, 310.552

Sweetspot

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



85, 2.985, 80.595



100, 0.808, 80.624



84, 3.928, 346.678



53, 0.459, 80.604



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, 2.985, 80.595



98, 4.107, 80.504



86, 4.703, 111.770



44, 2.431, 80.438



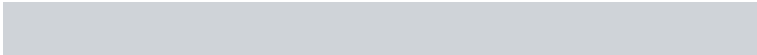
48, 61.884, 65.622



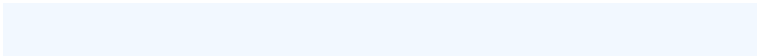
10, 17.173, 65.977

Inverse Universe

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



84, 2.981, 261.876



97, 4.091, 261.973



83, 4.765, 292.532



44, 2.418, 262.045



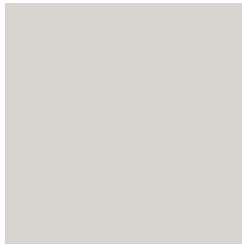
34, 59.326, 288.828



6, 18.587, 277.683

Previews

White Background



This preview shows how the CIE LCh color 85, 2.984, 80.552 looks on a white background.

Color Contrast Check

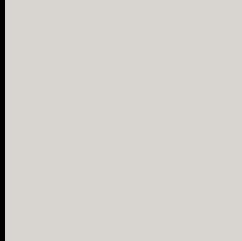
Large Text (above 18pt) WCAG AA × Fail

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, 2.984, 80.552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

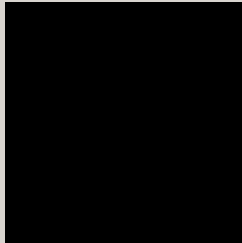
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

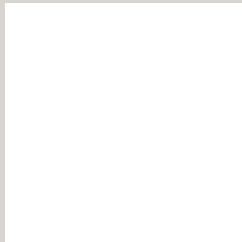
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 2.984, 80.552

Background



This preview shows how black text looks on a background with the CIELCh color 85, 2.984, 80.552.

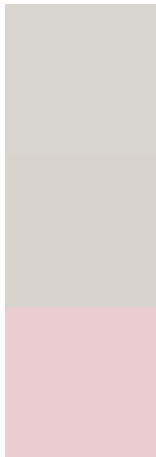


This preview shows how white text looks on a background with the CIELCh color 85, 2.984, 80.552.

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, 2.984, 80.552

Protanopia

85, 3.405, 69.635

Deuteranopia

85, 10.861, 11.893



Tritanopia
85, 9.187, 313.588

Trichromacy



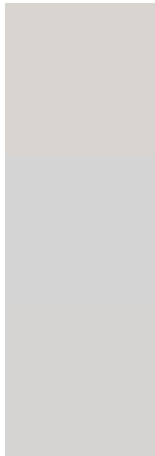
Original Color
85, 2.984, 80.552

Protanomaly
85, 3.405, 69.635

Deuteranomaly
85, 7.395, 15.830

Tritanomaly
85, 5.131, 324.589

Monochromacy



Original Color
85, 2.984, 80.552

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 1.098, 90.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 2.984, 80.552 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(216, 212, 207)` looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 207)  
}
```

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(216, 212, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 2.984, 80.552 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(216, 212, 207) }
```

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

```
.border{ border-color:rgb(216, 212, 207) }
```

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

Here you see how a box with a 4 pixel rgb(216, 212, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 212, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 212, 207);  
box-shadow:4px 4px 4px 4px rgb(216, 212,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 2.984, 80.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 207) }
```

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

```
.background{ background-color: rgb(216,  
212, 207) }
```

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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