

Converting Colors

CIE LCh(83, 4.153, 277.287)

Have a look what the booklet for
CIELCh(83, 4.153, 277.287) contains.

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Color

CIELCh(83, 3.839, 274.335)

Conversions

Conversions Part 1

Format	Color
Hex	CCCFD6
RGB	204, 207, 214
RGB Percent	80%, 81%, 84%
CMY	0.2009, 0.1891, 0.1617
CMYK	0.05, 0.03, 0.00, 0.16
HSL	222°, 11%, 82%
HSV	222°, 5%, 84%
XYZ	59.2046, 62.1629, 72.3416
YIQ	206.9010, -4.0350, 1.5410

Conversions

Conversions Part 2

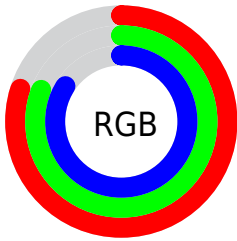
Format	Color
R _Y B	204, 206, 214
Decimal	13422550
CIE Lab	83.00, 0.29, -3.83
CIE LCh	83, 3.839, 274.335
Yxy	62.1629, 0.3056, 0.3209
Android (android.graphics.Color)	4291612630 (0xFFCCCFD6)
YUV	206.9010, 3.4998, -2.5442
Hunter-Lab	78.8435, -3.9380, 0.7898

Details

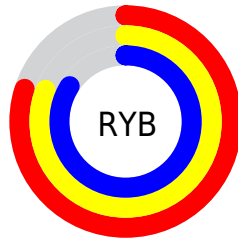
The CIELCh color $83, 3.839, 274.335$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85, 3.818, 93.050$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 3.524, 271.884$ is the 20% darker color. If you saturate the color by 10%, you get $78, 12.143, 275.653$, and if you desaturate by 10%, it is $88, 4.306, 93.006$.

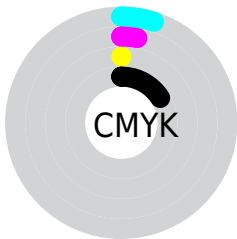
Distribution



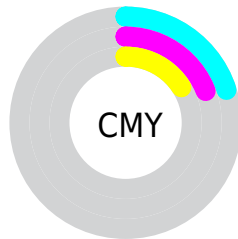
- Red (80%)
- Green (81%)
- Blue (84%)



- Red (80%)
- Yellow (81%)
- Blue (84%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)



- Cyan (20%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.839, 274.335 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 83, 3.839, 274.335 by changing the saturation by 10% instead.

■ 83, 3.839, 274.335

■ 83, 3.839, 274.335

■ 100, 3.839,
274.335

■ 73, 3.839, 274.335

■ 63, 3.839, 274.335

■ 53, 3.839, 274.335

■ 43, 3.839, 274.335

■ 33, 3.839, 274.335

■ 23, 3.839, 274.335

■ 13, 3.839, 274.335

■ 3, 3.839, 274.335

■ 0, 3.839, 274.335

83, 3.839, 274.335

83, 3.839, 274.335

78, 12.143,
275.653

88, 4.306, 93.006

72, 20.615,
277.259

94, 12.292, 92.010

67, 29.267,
279.143

98, 19.226,
105.000

61, 38.117,
281.345

99, 20.835,
108.600

56, 47.195,
283.898

51, 56.535,
286.811

46, 66.154,
290.048

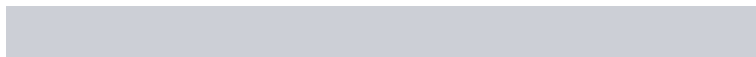
41, 75.998,
293.497

■ 37, 85.847,
296.962

Harmonies

Complementary

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



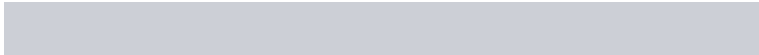
83, 3.839, 274.335



85, 3.818, 93.050

Rectangle

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



83, 3.839, 274.335



83, 3.839, 324.335



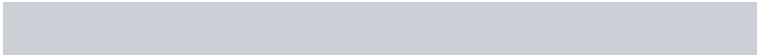
83, 3.839, 94.335



83, 3.839, 144.335

Sweetspot

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



83, 3.838, 274.310



99, 0.952, 274.069



85, 3.977, 174.516



53, 0.541, 274.078



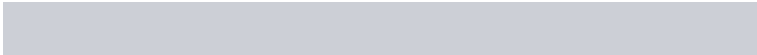
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 3.838, 274.310



96, 5.686, 274.476



82, 5.351, 297.681



43, 3.269, 274.542



28, 75.764, 298.138



4, 21.887, 285.677

Inverse Universe

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



83, 4.000, 356.244



96, 5.938, 356.405



85, 5.282, 117.029



43, 3.417, 356.465



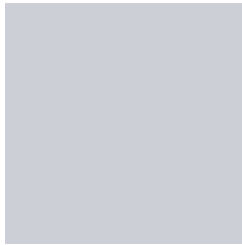
36, 64.821, 20.719



5, 22.279, 6.216

Previews

White Background



This preview shows how the CIELCh color 83, 3.839, 274.335 looks on a white background.

Color Contrast Check

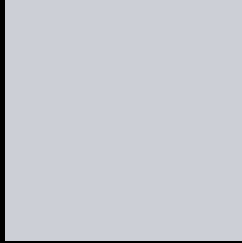
Large Text (above 18pt) WCAG AA × Fail

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 83, 3.839, 274.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

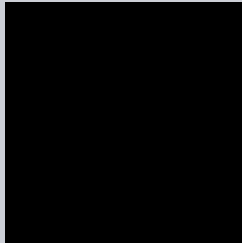
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

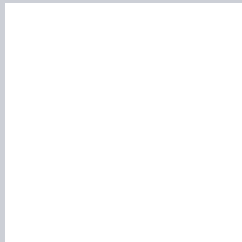
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 3.839, 274.335

Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.839, 274.335.



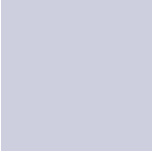
This preview shows how white text looks on a background with the CIELCh color 83, 3.839, 274.335.

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





Tritanopia
83, 8.465, 288.538

Trichromacy



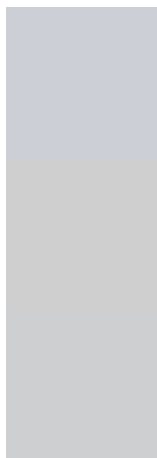
Original Color
83, 3.839, 274.335

Protanomaly
83, 3.708, 290.517

Deuteranomaly
83, 8.579, 326.756

Tritanomaly
83, 6.881, 287.839

Monochromacy



Original Color
83, 3.839, 274.335

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.120, 271.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 3.839, 274.335 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(204, 207, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 207, 214)  
}
```

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(204, 207, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 207, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 3.839, 274.335 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(204, 207, 214) }
```

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

```
.border{ border-color:rgb(204, 207, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 207, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 207, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 207, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 207,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 3.839, 274.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 207, 214) }
```

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

```
.background{ background-color: rgb(204,  
207, 214) }
```

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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