

Converting Colors

CIELCh(83, 10.362, 275.544)

Have a look what the booklet for
CIELCh(83, 10.362, 275.544)
contains.

CIELCh(83, 10.362, 275.559)	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(83, 10.362, 275.559)

Conversions

Conversions Part 1

Format	Color
Hex	C7CFE2
RGB	199, 207, 226
RGB Percent	78%, 81%, 89%
CMY	0.2202, 0.1888, 0.1143
CMYK	0.12, 0.08, 0.00, 0.11
HSL	222°, 32%, 83%
HSV	222°, 12%, 89%
XYZ	59.5019, 62.1629, 80.7099
YIQ	206.7740, -10.8670, 4.2130

Conversions

Conversions Part 2

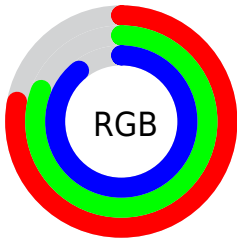
Format	Color
R_{YB}	199, 205, 226
Decimal	13094882
CIE Lab	83.00, 1.00, -10.31
CIE LCh	83, 10.362, 275.559
Yxy	62.1629, 0.2940, 0.3072
Android (android.graphics.Color)	4291284962 (0xFFC7CFE2)
YUV	206.7740, 9.4784, -6.8178
Hunter-Lab	78.8435, -3.2649, -5.5031

Details

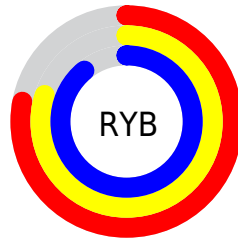
The CIELCh color `83, 10.362, 275.559` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 10.326, 92.478`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 10.405, 275.153` is the 20% darker color. If you saturate the color by 10%, you get `77, 19.216, 277.091`, and if you desaturate by 10%, it is `89, 1.684, 274.340`.

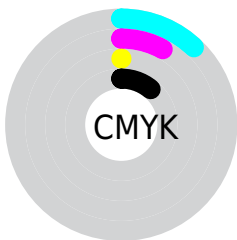
Distribution



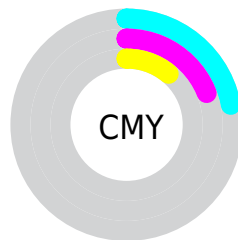
- Red (78%)
- Green (81%)
- Blue (89%)



- Red (78%)
- Yellow (80%)
- Blue (89%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 10.362, 275.559 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, 10.362, 275.559 by changing the saturation by 10% instead.

■ 83, 10.362,
275.559

■ 83, 10.362,
275.559

■ 100, 10.362,
275.559

■ 73, 10.362,
275.559

■ 63, 10.362,
275.559

■ 53, 10.362,
275.559

■ 43, 10.362,
275.559

■ 33, 10.362,
275.559

■ 23, 10.362,
275.559

■ 13, 10.362,

275.559

■ 3, 10.362, 275.559

■ 0, 10.362, 275.559

■ 83, 10.362,
275.559

■ 83, 10.362,
275.559

■ 77, 19.216,
277.091

■ 89, 1.684, 274.340

■ 72, 28.260,
278.900

■ 94, 6.821, 93.020

■ 66, 37.512,
281.016

■ 99, 14.515,
108.411

■ 60, 47.000,
283.478

■ 99, 14.745,
109.063

■ 55, 56.761,

286.302

■ 50, 66.819,
289.464

■ 45, 77.138,
292.871

■ 40, 87.527,
296.346

■ 37, 95.667,
298.969

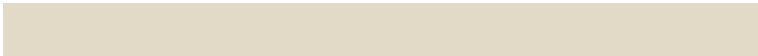
Harmonies

Complementary

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



83, 10.362, 275.559



87, 10.326, 92.478

Rectangle

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



83, 10.362, 275.559



83, 10.362, 325.559



83, 10.362, 95.559



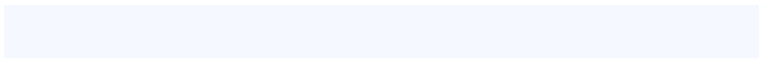
83, 10.362, 145.559

Sweetspot

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



83, 10.361, 275.551



97, 3.803, 274.527



88, 10.481, 174.895



52, 2.703, 274.613



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, 10.361, 275.551



91, 13.418, 275.860



81, 14.509, 298.864



44, 4.885, 275.204



28, 78.056, 298.408



5, 25.049, 288.157

Inverse Universe

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



83, 10.829, 357.323



91, 14.056, 357.559



89, 14.142, 117.182



44, 5.091, 357.050



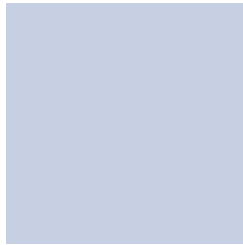
37, 66.418, 21.211



6, 25.352, 7.889

Previews

White Background



This preview shows how the CIELCh color 83, 10.362, 275.559 looks on a white background.

Color Contrast Check

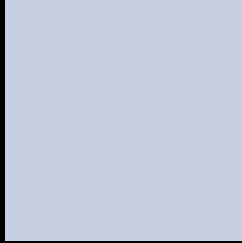
Large Text (above 18pt) WCAG AA × Fail

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 83, 10.362, 275.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

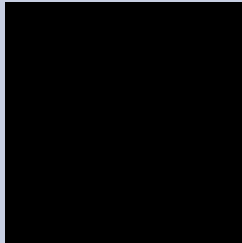
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

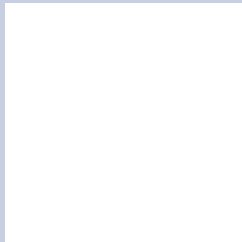
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 10.362, 275.559

Background



This preview shows how black text looks on a background with the CIELCh color 83, 10.362, 275.559.



This preview shows how white text looks on a background with the CIELCh color 83, 10.362, 275.559.

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

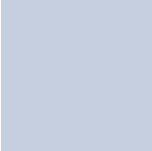
83, 10.362, 275.559

Protanopia

83, 10.585, 291.098

Deuteranopia

83, 14.946, 313.465



Tritanopia
83, 9.453, 271.670

Trichromacy



Original Color
83, 10.362, 275.559

Protanomaly
83, 10.084, 285.105

Deuteranomaly
83, 12.984, 302.129

Tritanomaly
83, 9.951, 272.755

Monochromacy



Original Color
83, 10.362, 275.559

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 3.839, 274.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 10.362, 275.559 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(199, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(199, 207, 226)  
}
```

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(199, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 207, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 10.362, 275.559 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(199, 207, 226) }
```

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

```
.border{ border-color:rgb(199, 207, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 207, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 207,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 10.362, 275.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 207, 226) }
```

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

```
.background{ background-color: rgb(199,  
207, 226) }
```

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