

Converting Colors

CIELCh(83, 3.735, 91.797)

Have a look what the booklet for
CIELCh(83, 3.735, 91.797) contains.

CIELCh(83, 3.472, 84.737)	3
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Color

CIELCh(83, 3.472, 84.737)

Conversions

Conversions Part 1

Format	Color
Hex	D2CEC8
RGB	210, 206, 200
RGB Percent	82%, 81%, 78%
CMY	0.1756, 0.1913, 0.2148
CMYK	0.00, 0.02, 0.05, 0.18
HSL	36°, 10%, 80%
HSV	36°, 5%, 82%
XYZ	59.2164, 62.1629, 63.6547
YIQ	206.5120, 4.3100, -1.0180

Conversions

Conversions Part 2

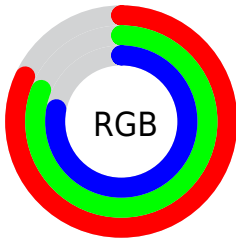
Format	Color
R _Y B	207, 210, 200
Decimal	13815496
CIE Lab	83.00, 0.32, 3.46
CIE LCh	83, 3.472, 84.737
Yxy	62.1629, 0.3200, 0.3360
Android (android.graphics.Color)	4292005576 (0xFFD2CEC8)
YUV	206.5120, -3.2104, 3.0590
Hunter-Lab	78.8435, -3.9114, 7.3223

Details

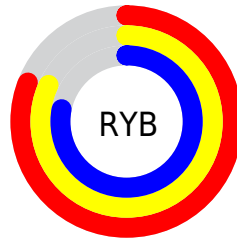
The CIELCh color $83, 3.472, 84.737$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 3.472, 266.150$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 3.679, 84.566$ is the 20% darker color. If you saturate the color by 10%, you get $80, 10.953, 83.547$, and if you desaturate by 10%, it is $86, 3.788, 266.178$.

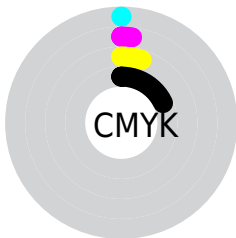
Distribution



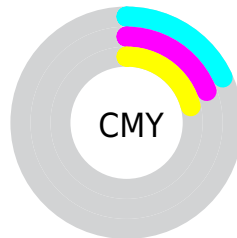
- Red (82%)
- Green (81%)
- Blue (78%)



- Red (81%)
- Yellow (82%)
- Blue (78%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (18%)



- Cyan (18%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.472, 84.737 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, 3.472, 84.737 by changing the saturation by 10% instead.

■ 83, 3.472, 84.737

■ 83, 3.472, 84.737

■ 100, 3.472, 84.737

■ 73, 3.472, 84.737

■ 63, 3.472, 84.737

■ 53, 3.472, 84.737

■ 43, 3.472, 84.737

■ 33, 3.472, 84.737

■ 23, 3.472, 84.737

■ 13, 3.472, 84.737

■ 3, 3.472, 84.737

■ 0, 3.472, 84.737

83, 3.472, 84.737

83, 3.472, 84.737

80, 10.953, 83.547

86, 3.788, 266.178

78, 18.661, 82.234

88, 10.846,
267.319

75, 26.591, 80.878

91, 13.938,
260.773

73, 34.708, 79.484

70, 42.925, 78.044

93, 12.410,
238.199

68, 51.051, 76.532

95, 13.039,
214.213

66, 58.718, 74.881

64, 65.282, 72.958

97, 14.929,
198.511

62, 69.852, 70.528

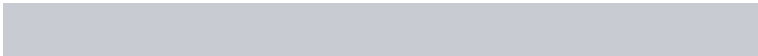
Harmonies

Complementary

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



83, 3.472, 84.737



82, 3.472, 266.150

Rectangle

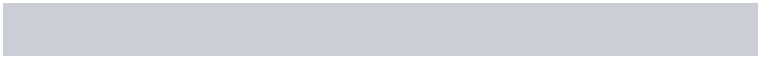
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 3.472, 84.737



83, 3.472, 134.737



83, 3.472, 264.737



83, 3.472, 314.737

Sweetspot

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



83, 3.473, 84.772



100, 0.841, 84.915



82, 4.253, 349.728



53, 0.478, 84.900



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, 3.473, 84.772



98, 5.135, 84.625



84, 5.268, 113.721



43, 2.896, 84.565



49, 60.633, 69.682



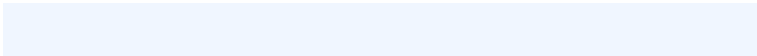
10, 16.106, 70.998

Inverse Universe

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



82, 3.472, 266.150



97, 5.121, 266.308



81, 5.339, 294.506



42, 2.886, 266.373



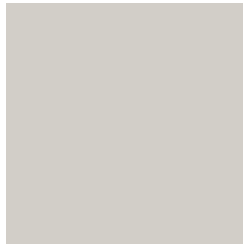
32, 63.591, 292.153



5, 18.366, 279.615

Previews

White Background



This preview shows how the CIELCh color 83, 3.472, 84.737 looks on a white background.

Color Contrast Check

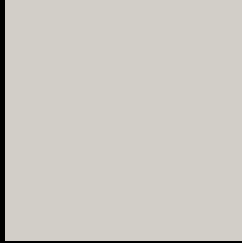
Large Text (above 18pt) WCAG AA × Fail

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, 3.472, 84.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

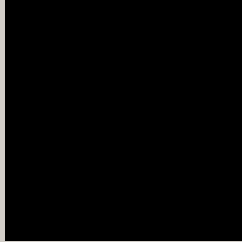
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

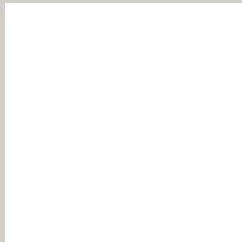
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 3.472, 84.737

Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.472, 84.737.

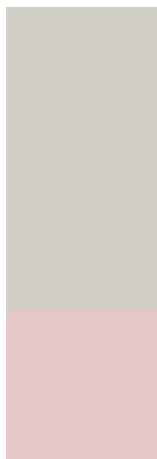


This preview shows how white text looks on a background with the CIELCh color 83, 3.472, 84.737.

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

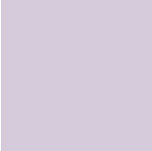
83, 3.472, 84.737

Protanopia

83, 3.841, 74.635

Deuteranopia

83, 10.470, 17.294



Tritanopia
83, 9.236, 313.596

Trichromacy



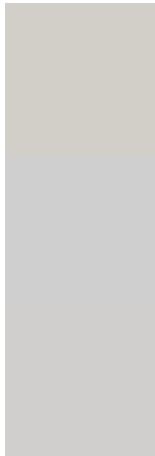
Original Color
83, 3.472, 84.737

Protanomaly
83, 3.642, 79.433

Deuteranomaly
83, 7.454, 23.936

Tritanomaly
83, 5.158, 324.596

Monochromacy



Original Color
83, 3.472, 84.737

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.103, 90.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 3.472, 84.737 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(210, 206, 200)` looks like.

```
.text, #text, p{  
    color:rgb(210, 206, 200)  
}
```

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(210, 206, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 206, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 3.472, 84.737 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(210, 206, 200) }
```

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

```
.border{ border-color:rgb(210, 206, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 206, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 206, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 206, 200);  
box-shadow:4px 4px 4px 4px rgb(210, 206,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 3.472, 84.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 206, 200) }
```

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

```
.background{ background-color: rgb(210,  
206, 200) }
```

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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