

Converting Colors

CIELCh(83, 6.489, 147.945)

Have a look what the booklet for
CIELCh(83, 6.489, 147.945) contains.

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Color

CIELCh(83, 6.661, 146.734)

Conversions

Conversions Part 1

Format	Color
Hex	C7D2C8
RGB	199, 210, 200
RGB Percent	78%, 82%, 78%
CMY	0.2210, 0.1779, 0.2171
CMYK	0.05, 0.00, 0.05, 0.18
HSL	125°, 11%, 80%
HSV	125°, 5%, 82%
XYZ	56.8006, 62.1629, 63.4307
YIQ	205.5710, -3.3460, -5.4420

Conversions

Conversions Part 2

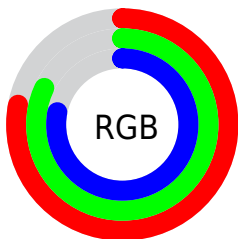
Format	Color
RYB	199, 209, 210
Decimal	13095624
CIELab	83.00, -5.57, 3.65
CIELCh	83, 6.661, 146.734
Yxy	62.1629, 0.3114, 0.3408
Android (android.graphics.Color)	4291285704 (0xFFC7D2C8)
YUV	205.5710, -2.7465, -5.7628
Hunter-Lab	78.8435, -9.3806, 7.4908

Details

The CIELCh color $83, 6.661, 146.734$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 6.682, 327.255$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 7.050, 146.620$ is the 20% darker color. If you saturate the color by 10%, you get $81, 19.492, 146.040$, and if you desaturate by 10%, it is $85, 5.999, 327.209$.

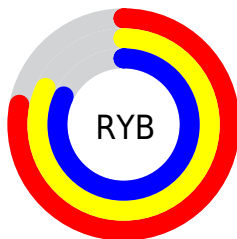
Distribution



Red (78%)

Green (82%)

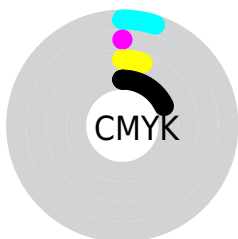
Blue (78%)



Red (78%)

Yellow (82%)

Blue (82%)

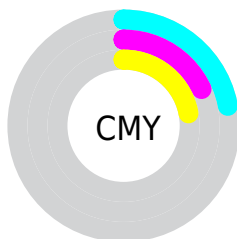


Cyan (5%)

Magenta (0%)

Yellow (5%)

Black (18%)



Cyan (22%)

Magenta (18%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 6.661, 146.734 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, 6.661, 146.734 by changing the saturation by 10% instead.

■ 83, 6.661, 146.734

■ 83, 6.661, 146.734

■ 100, 6.661,
146.734

■ 73, 6.661, 146.734

■ 63, 6.661, 146.734

■ 53, 6.661, 146.734

■ 43, 6.661, 146.734

■ 33, 6.661, 146.734

■ 23, 6.661, 146.734

■ 13, 6.661, 146.734

■ 3, 6.661, 146.734

■ 0, 6.661, 146.734

83, 6.661, 146.734

83, 6.661, 146.734

81, 19.492,
146.040

85, 5.999, 327.209

79, 32.341,
145.256

87, 18.390,
327.725

78, 45.012,
144.347

89, 28.431,
325.414


77, 57.251,
143.300

76, 68.753,
142.119

75, 79.163,
140.827

74, 88.095,
139.486

74, 95.154,
138.196

 74, 100.014,
137.093

Harmonies

Complementary

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



83, 6.661, 146.734



81, 6.682, 327.255

Rectangle

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



83, 6.661, 146.734



83, 6.661, 196.734



83, 6.661, 326.734



83, 6.661, 16.734

Sweetspot

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



83, 6.663, 146.734



100, 2.963, 146.996



84, 5.791, 113.015



53, 1.684, 147.008



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, 6.663, 146.734



99, 8.939, 146.677



83, 4.677, 168.040



43, 5.039, 146.642



60, 85.933, 136.875



13, 29.173, 143.572

Inverse Universe

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



81, 6.682, 327.255



96, 8.962, 327.308



81, 4.732, 348.765



42, 5.052, 327.340



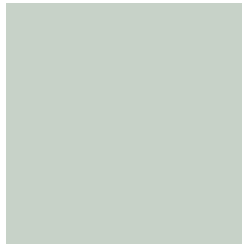
39, 78.870, 332.188



5, 29.022, 330.991

Previews

White Background



This preview shows how the CIELCh color 83, 6.661, 146.734 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, 6.661, 146.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

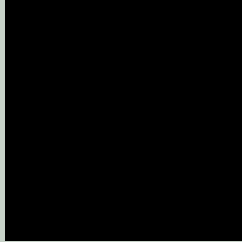
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

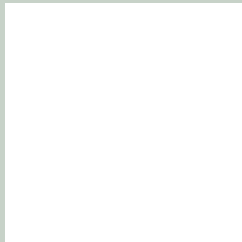
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 6.661, 146.734

Background



This preview shows how black text looks on a background with the CIELCh color 83, 6.661, 146.734.

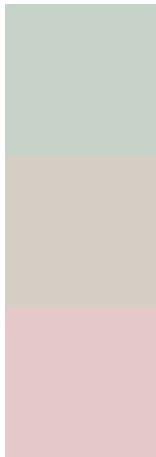


This preview shows how white text looks on a background with the CIELCh color 83, 6.661, 146.734.

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, 6.661, 146.734

Protanopia
83, 5.220, 84.471

Deuteranopia
83, 10.491, 14.431



Tritanopia
83, 9.075, 282.107

Trichromacy



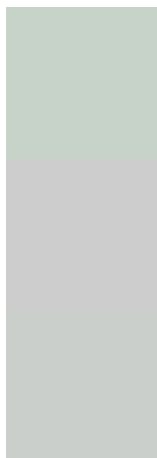
Original Color
83, 6.661, 146.734

Protanomaly
83, 4.737, 109.750

Deuteranomaly
83, 5.057, 37.822

Tritanomaly
83, 4.704, 263.657

Monochromacy



Original Color
83, 6.661, 146.734

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 2.573, 144.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 6.661, 146.734 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, 210, 200)` looks like.

```
.text, #text, p{  
    color:rgb(199, 210, 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(199, 210, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 210, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 6.661, 146.734 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, 210, 200) }
```

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

```
.border{ border-color:rgb(199, 210, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 210, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 210, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 210, 200);  
box-shadow:4px 4px 4px 4px rgb(199, 210,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 6.661, 146.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 210, 200) }
```

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

```
.background{ background-color: rgb(199,  
210, 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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