

Converting Colors

CIELCh(85, 32.731, 130.256)

Have a look what the booklet for
CIELCh(85, 32.731, 130.256)
contains.

CIELCh(85, 32.703, 130.261)	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(85, 32.703, 130.261)

Conversions

Conversions Part 1

Format	Color
Hex	BDDEA4
RGB	189, 222, 164
RGB Percent	74%, 87%, 64%
CMY	0.2573, 0.1279, 0.3554
CMYK	0.15, 0.00, 0.26, 0.13
HSL	94°, 47%, 76%
HSV	94°, 26%, 87%
XYZ	54.0368, 66.0070, 45.1876
YIQ	205.5210, -1.0500, -25.0340

Conversions

Conversions Part 2

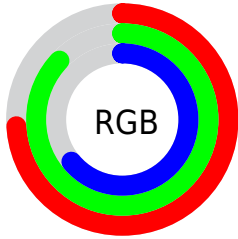
Format	Color
RYB	164, 222, 197
Decimal	12443300
CIELab	85.00, -21.13, 24.96
CIELCh	85, 32.703, 130.261
Yxy	66.0070, 0.3270, 0.3995
Android (android.graphics.Color)	4290633380 (0xFFBDDEA4)
YUV	205.5210, -20.4699, -14.4889
Hunter-Lab	81.2447, -23.4558, 23.8947

Details

The CIELCh color $85, 32.703, 130.261$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $72, 33.713, 312.611$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 18.539, 119.023$, and $65, 32.760, 130.391$ is the 20% darker color. If you saturate the color by 10%, you get $84, 45.077, 129.771$, and if you desaturate by 10%, it is $86, 20.174, 130.743$.

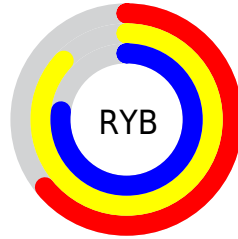
Distribution



Red (74%)

Green (87%)

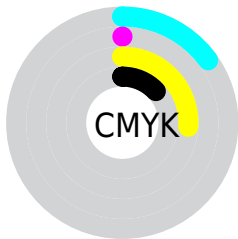
Blue (64%)



Red (64%)

Yellow (87%)

Blue (77%)

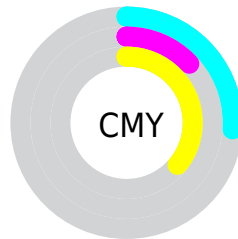


Cyan (15%)

Magenta (0%)

Yellow (26%)

Black (13%)



Cyan (26%)


Magenta (13%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 32.703, 130.261 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, 32.703, 130.261 by changing the saturation by 10% instead.


 85, 32.703,
130.261


 85, 32.703,
130.261


 100, 32.703,
130.261


 75, 32.703,
130.261

 65, 32.703,
130.261

 55, 32.703,
130.261

 45, 32.703,
130.261

 35, 32.703,
130.261

 25, 32.703,
130.261

 15, 32.703,

130.261

■ 5, 32.703, 130.261

■ 0, 32.703, 130.261

■ 85, 32.703,
130.261

■ 85, 32.703,
130.261

■ 84, 45.077,
129.771

■ 86, 20.174,
130.743

■ 83, 57.103,
129.297

■ 88, 7.613, 131.205

■ 82, 68.516,
128.892

■ 89, 4.884, 311.566

■ 81, 78.942,
128.636

■ 91, 17.254,
311.960

■ 80, 87.885,

■ 92, 19.966,
323.119

128.644

92, 20.407,
325.134

80, 94.806,
129.045

79, 99.356,
129.930

79, 100.718,
130.331

Harmonies

Complementary

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



85, 32.703, 130.261



72, 33.713, 312.611

Rectangle

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



85, 32.703, 130.261



85, 32.703, 180.261



85, 32.703, 310.261



85, 32.703, 0.261

Sweetspot

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



85, 32.705, 130.262



99, 11.185, 131.114



81, 20.125, 78.880



52, 7.953, 131.045



0, 0.000, 0.000



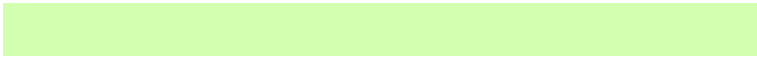
53, 0.007, 296.813

Same Dimension

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



85, 32.705, 130.262



95, 43.361, 130.009



84, 35.659, 144.480



46, 7.161, 131.051



64, 84.330, 130.086



17, 31.481, 130.235

Inverse Universe

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



72, 33.713, 312.611



78, 44.985, 312.861



74, 35.687, 327.764



44, 7.245, 311.830



29, 93.048, 313.619



4, 33.966, 312.916

Previews

White Background



This preview shows how the CIELCh color 85, 32.703, 130.261 looks on a white background.

Color Contrast Check

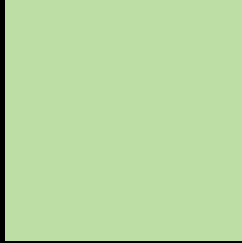
Large Text (above 18pt) WCAG AA × Fail

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, 32.703, 130.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

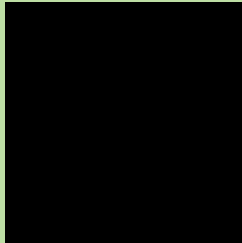
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 32.703, 130.261

Background



This preview shows how black text looks on a background with the CIELCh color 85, 32.703, 130.261.



This preview shows how white text looks on a background with the CIELCh color 85, 32.703, 130.261.

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, 32.703, 130.261

Protanopia
85, 28.279, 95.559

Deuteranopia
85, 25.645, 65.364



Tritanopia
85, 10.206, 260.678

Trichromacy



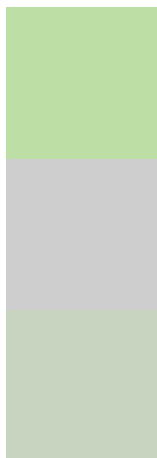
Original Color
85, 32.703, 130.261

Protanomaly
85, 28.594, 110.076

Deuteranomaly
85, 23.377, 92.550

Tritanomaly
85, 9.250, 164.175

Monochromacy



Original Color
85, 32.703, 130.261

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 11.937, 131.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 32.703, 130.261 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(189, 222, 164)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 164)  
}
```

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(189, 222, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 32.703, 130.261 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(189, 222, 164) }
```

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

```
.border{ border-color:rgb(189, 222, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 222, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 222, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 222, 164);  
box-shadow:4px 4px 4px 4px rgb(189, 222,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 32.703, 130.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 164) }
```

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

```
.background{ background-color: rgb(189,  
222, 164) }
```

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