

Converting Colors

CIELCh(85, 42.460, 131.946)

Have a look what the booklet for
CIELCh(85, 42.460, 131.946)
contains.

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Color

CIELCh(85, 42.748, 131.821)

Conversions

Conversions Part 1

Format	Color
Hex	B3E297
RGB	179, 226, 151
RGB Percent	70%, 89%, 59%
CMY	0.2992, 0.1149, 0.4089
CMYK	0.21, 0.00, 0.33, 0.11
HSL	98°, 56%, 74%
HSV	98°, 33%, 89%
XYZ	51.2035, 66.0070, 39.2020
YIQ	203.3970, -3.9370, -33.2890

Conversions

Conversions Part 2

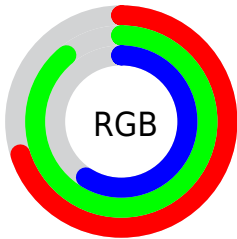
Format	Color
RYB	151, 226, 198
Decimal	11788951
CIELab	85.00, -28.50, 31.86
CIELCh	85, 42.748, 131.821
Yxy	66.0070, 0.3274, 0.4220
Android (android.graphics.Color)	4289979031 (0xFFB3E297)
YUV	203.3970, -25.8317, -21.3962
Hunter-Lab	81.2447, -29.6807, 28.2628

Details

The CIELCh color $85, 42.748, 131.821$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $69, 44.176, 314.826$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 25.807, 124.071$, and $65, 42.573, 131.650$ is the 20% darker color. If you saturate the color by 10%, you get $84, 55.265, 131.313$, and if you desaturate by 10%, it is $86, 29.945, 132.328$.

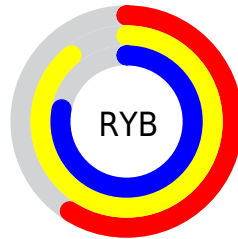
Distribution



Red (70%)

Green (89%)

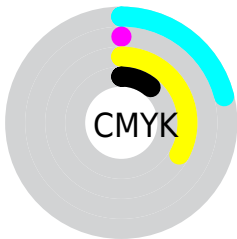
Blue (59%)



Red (59%)

Yellow (89%)

Blue (78%)

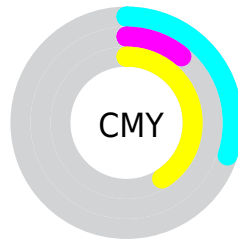


Cyan (21%)

Magenta (0%)

Yellow (33%)

Black (11%)



Cyan (30%)


Magenta (11%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 42.748, 131.821 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, 42.748, 131.821 by changing the saturation by 10% instead.


 85, 42.748,
131.821


 85, 42.748,
131.821


 100, 42.748,
131.821


 75, 42.748,
131.821

 65, 42.748,
131.821

 55, 42.748,
131.821

 45, 42.748,
131.821

 35, 42.748,
131.821

 25, 42.748,
131.821

 15, 42.748,

131.821

■ 5, 42.748, 131.821

■ 0, 42.748, 131.821

■ 85, 42.748,
131.821

■ 85, 42.748,
131.821

■ 84, 55.265,
131.313

■ 86, 29.945,
132.328

■ 83, 67.235,
130.842

■ 88, 17.028,
132.810

■ 82, 78.304,
130.481

■ 89, 4.127, 133.280


■ 81, 87.993,
130.333


■ 91, 8.668, 313.612


■ 80, 95.744,

■ 92, 17.320,
319.621

130.529

 93, 18.317,
325.060

 80, 101.102,
131.180

 80, 103.551,
131.810

Harmonies

Complementary

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



85, 42.748, 131.821



69, 44.176, 314.826

Rectangle

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



85, 42.748, 131.821



85, 42.748, 181.821



85, 42.748, 311.821



85, 42.748, 1.821

Sweetspot

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



85, 42.750, 131.822



98, 14.204, 132.956



81, 27.190, 82.538



52, 9.695, 132.891



0, 0.000, 0.000



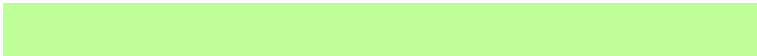
53, 0.007, 296.813

Same Dimension

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



85, 42.750, 131.822



94, 56.601, 131.461



84, 44.282, 145.285



46, 7.269, 132.985



63, 85.728, 131.570



17, 32.034, 131.929

Inverse Universe

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



69, 44.176, 314.826



73, 58.913, 315.140



72, 44.319, 329.755



44, 7.343, 313.749



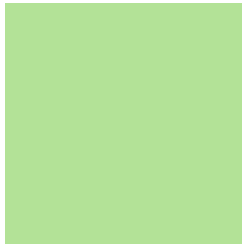
31, 91.936, 315.195



5, 34.368, 315.085

Previews

White Background



This preview shows how the CIELCh color 85, 42.748, 131.821 looks on a white background.

Color Contrast Check

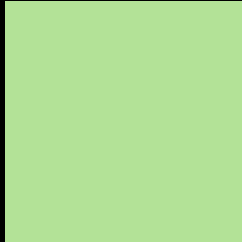
Large Text (above 18pt) WCAG AA × Fail

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 85, 42.748, 131.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

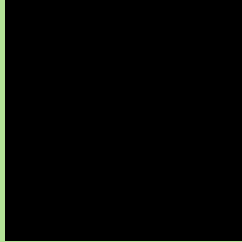
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 42.748, 131.821

Background



This preview shows how black text looks on a background with the CIELCh color 85, 42.748, 131.821.

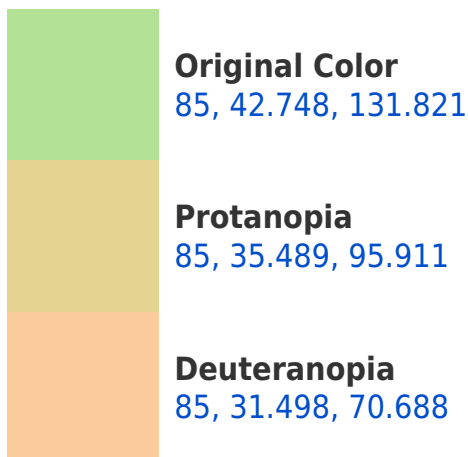


This preview shows how white text looks on a background with the CIELCh color 85, 42.748, 131.821.

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
85, 12.293, 249.683

Trichromacy



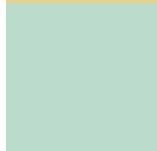
Original Color
85, 42.748, 131.821



Protanomaly
85, 36.243, 110.850



Deuteranomaly
84, 30.167, 97.627

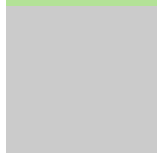


Tritanomaly
85, 14.314, 162.425

Monochromacy



Original Color
85, 42.748, 131.821



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 15.612, 132.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 42.748, 131.821 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(179, 226, 151)` looks like.

```
.text, #text, p{  
    color:rgb(179, 226, 151)  
}
```

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(179, 226, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 226, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 42.748, 131.821 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(179, 226, 151) }
```

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

```
.border{ border-color:rgb(179, 226, 151) }
```

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

Here you see how a box with a 4 pixel rgb(179, 226, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 226, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 226, 151);  
box-shadow:4px 4px 4px 4px rgb(179, 226,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 42.748, 131.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 226, 151) }
```

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

```
.background{ background-color: rgb(179,  
226, 151) }
```

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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