

Converting Colors

CIELCh(85, 22.579, 158.078)

Have a look what the booklet for
CIELCh(85, 22.579, 158.078)
contains.

CIELCh(85, 22.402, 158.613)	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, 22.402, 158.613)

Conversions

Conversions Part 1

Format	Color
Hex	AFDFC4
RGB	175, 223, 196
RGB Percent	69%, 87%, 77%
CMY	0.3130, 0.1247, 0.2306
CMYK	0.22, 0.00, 0.12, 0.12
HSL	146°, 43%, 78%
HSV	146°, 22%, 88%
XYZ	54.1447, 66.0070, 62.2227
YIQ	205.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

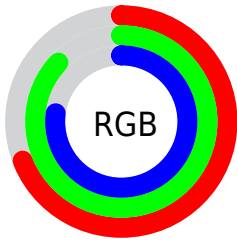
Format	Color
RYB	175, 208, 223
Decimal	11526084
CIELab	85.00, -20.86, 8.17
CIELCh	85, 22.402, 158.613
Yxy	66.0070, 0.2969, 0.3619
Android (android.graphics.Color)	4289716164 (0xFFAFDFC4)
YUV	205.5700, -4.7180, -26.8099
Hunter-Lab	81.2447, -23.2187, 11.4630

Details

The CIELCh color **85, 22.402, 158.613** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **77, 22.848, 342.200**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.299, 191.883**, and **65, 22.637, 157.949** is the 20% darker color. If you saturate the color by 10%, you get **83, 32.664, 157.580**, and if you desaturate by 10%, it is **87, 11.990, 159.536**.

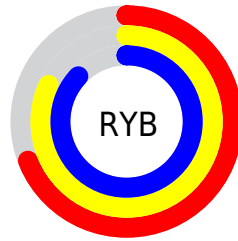
Distribution



Red (69%)

Green (87%)

Blue (77%)



Red (69%)

Yellow (82%)

Blue (87%)

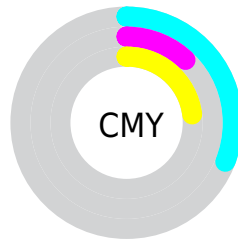


Cyan (22%)

Magenta (0%)

Yellow (12%)

Black (12%)



Cyan (31%)


Magenta (12%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 22.402, 158.613 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, 22.402, 158.613 by changing the saturation by 10% instead.


 85, 22.402,
158.613


 85, 22.402,
158.613


 100, 22.402,
158.613


 75, 22.402,
158.613

 65, 22.402,
158.613

 55, 22.402,
158.613

 45, 22.402,
158.613

 35, 22.402,
158.613


 25, 22.402,
158.613


 15, 22.402,


158.613


 5, 22.402, 158.613

 0, 22.402, 158.613

 85, 22.402,
158.613


 85, 22.402,
158.613

 83, 32.664,
157.580


 87, 11.990,
159.536


 82, 42.607,
156.412

 89, 1.561, 160.579


 81, 52.055,
155.081

 91, 8.777, 340.993

 80, 60.826,
153.564

 92, 16.485,
333.918

 79, 68.760,

 92, 19.899,
325.116

151.842

■ 79, 75.747,
149.910

■ 79, 81.754,
147.786

■ 78, 86.194,
145.916

Harmonies

Complementary

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



85, 22.402, 158.613



77, 22.848, 342.200

Rectangle

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



85, 22.402, 158.613



85, 22.402, 208.613



85, 22.402, 338.613



85, 22.402, 28.613

Sweetspot

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



85, 22.404, 158.612



99, 6.951, 160.021



86, 26.171, 125.665



53, 4.612, 159.962



0, 0.000, 0.000



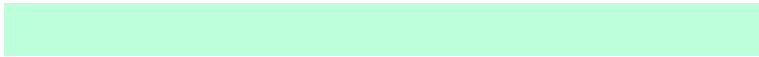
53, 0.007, 296.813

Same Dimension

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



85, 22.404, 158.612



95, 30.122, 158.144



86, 16.457, 192.395



46, 5.938, 159.718



63, 71.565, 146.301



17, 26.814, 150.735

Inverse Universe

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



77, 22.848, 342.200



83, 30.838, 342.645



76, 18.639, 15.766



44, 5.996, 341.130



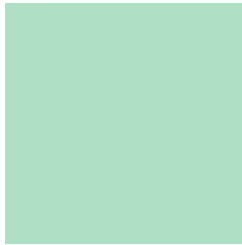
38, 65.223, 356.058



7, 27.165, 350.159

Previews

White Background



This preview shows how the CIE LCh color 85, 22.402, 158.613 looks on a white background.

Color Contrast Check

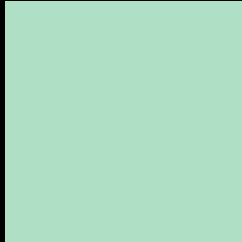
Large Text (above 18pt) WCAG AA × Fail

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, 22.402, 158.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

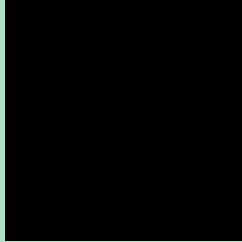
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

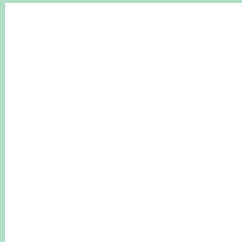
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 22.402, 158.613

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.402, 158.613.

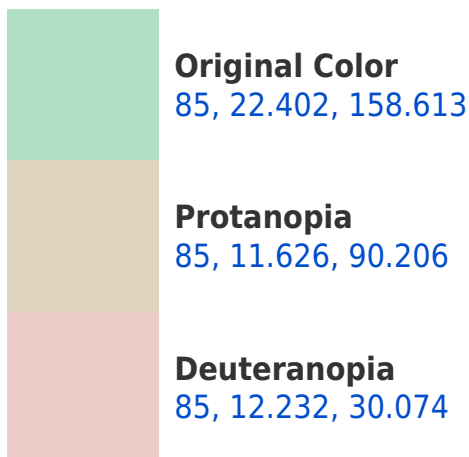


This preview shows how white text looks on a background with the CIELCh color 85, 22.402, 158.613.

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, 14.703, 236.406

Trichromacy



Original Color
85, 22.402, 158.613

Protanomaly
85, 12.755, 127.831

Deuteranomaly
84, 6.381, 99.588

Tritanomaly
85, 13.660, 200.713

Monochromacy



Original Color
85, 22.402, 158.613

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 8.156, 158.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.402, 158.613 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(175, 223, 196)` looks like.

```
.text, #text, p{  
    color:rgb(175, 223, 196)  
}
```

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(175, 223, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 223, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.402, 158.613 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(175, 223, 196) }
```

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

```
.border{ border-color:rgb(175, 223, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 223, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 223, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 223, 196); box-shadow:4px 4px 4px 4px rgb(175, 223, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.402, 158.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 223, 196) }
```

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

```
.background{ background-color: rgb(175,  
223, 196) }
```

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