

# Converting Colors

CIELCh(86, 22.165, 156.486)

Have a look what the booklet for  
CIELCh(86, 22.165, 156.486)  
contains.

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# Color

**CIELCh(86, 22.189, 156.583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E2C6
RGB	180, 226, 198
RGB Percent	71%, 89%, 78%
CMY	0.2951, 0.1147, 0.2245
CMYK	0.20, 0.00, 0.12, 0.11
HSL	143°, 44%, 80%
HSV	143°, 20%, 89%
XYZ	56.0510, 67.9871, 63.4396
YIQ	209.0540, -18.4280, -18.4600

# Conversions

## Conversions Part 2

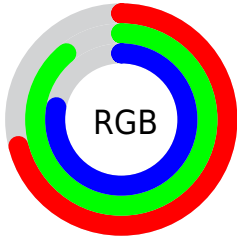
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 213, 226
Decimal	11854534
CIELab	86.00, -20.36, 8.82
CIELCh	86, 22.189, 156.583
Yxy	67.9871, 0.2990, 0.3626
Android (android.graphics.Color)	4290044614 (0xFFB4E2C6)
YUV	209.0540, -5.4496, -25.4804
Hunter-Lab	82.4543, -22.9538, 12.1008

# Details

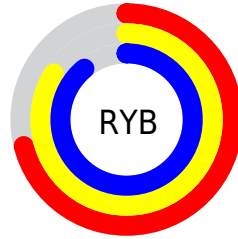
The CIELCh color **86, 22.189, 156.583** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78, 22.515, 339.812**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **66, 22.687, 156.444** is the 20% darker color. If you saturate the color by 10%, you get **84, 32.978, 155.589**, and if you desaturate by 10%, it is **88, 11.285, 157.468**.

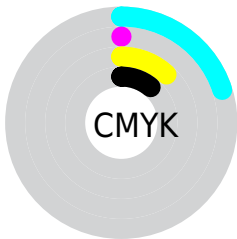
# Distribution



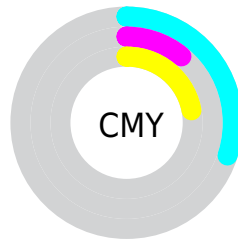
- Red (71%)
- Green (89%)
- Blue (78%)



- Red (71%)
- Yellow (84%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)



- Cyan (30%)
- Magenta (11%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 22.189, 156.583 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 86, 22.189, 156.583 by changing the saturation by 10% instead.




 86, 22.189,  
156.583

 86, 22.189,  
156.583


 100, 22.189,  
156.583

 76, 22.189,  
156.583

 66, 22.189,  
156.583

 56, 22.189,  
156.583

 46, 22.189,  
156.583

 36, 22.189,  
156.583


 26, 22.189,  
156.583


 16, 22.189,


156.583

 6, 22.189, 156.583


 0, 22.189, 156.583

 86, 22.189,  
156.583


 86, 22.189,  
156.583


 84, 32.978,  
155.589


 88, 11.285,  
157.468

 83, 43.479,  
154.460

 90, 0.398, 159.215


 82, 53.504,  
153.168

 92, 10.361,  
338.850

 81, 62.856,  
151.691

 93, 17.345,  
327.268

 80, 71.358,

 93, 18.298,  
325.060

150.012

■ 80, 78.871,  
148.130

■ 79, 85.333,  
146.065

■ 79, 90.646,  
144.008

# Harmonies

# Complementary

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



86, 22.189, 156.583



78, 22.515, 339.812

# Rectangle

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



86, 22.189, 156.583



86, 22.189, 206.583



86, 22.189, 336.583



86, 22.189, 26.583

# Sweetspot

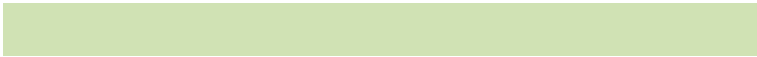
The Sweet Spot groups the original color and five complimentary colors.



86, 22.191, 156.582



99, 7.189, 157.838



87, 24.761, 123.849



53, 4.771, 157.781



0, 0.000, 0.000



53, 0.007, 296.813



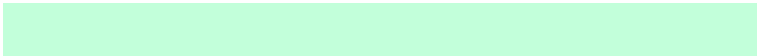


# Same Dimension

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



86, 22.191, 156.582



95, 28.837, 156.220



87, 16.052, 188.190



46, 6.144, 157.547



63, 74.599, 144.396



16, 27.916, 148.753



# Inverse Universe

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



78, 22.515, 339.812



85, 29.327, 340.144



77, 17.817, 11.721



44, 6.193, 338.901



38, 66.463, 352.036

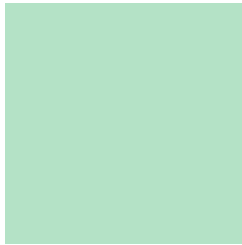


7, 27.825, 347.017



# Previews

## White Background



This preview shows how the CIELCh color 86, 22.189, 156.583 looks on a white background.

## Color Contrast Check

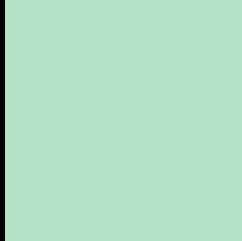
Large Text (above 18pt) WCAG AA × Fail

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 86, 22.189, 156.583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

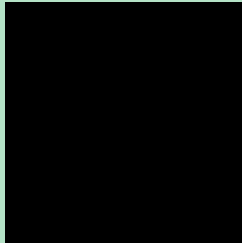
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

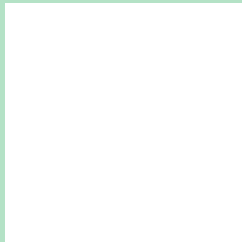
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 86, 22.189, 156.583**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 86, 22.189, 156.583.

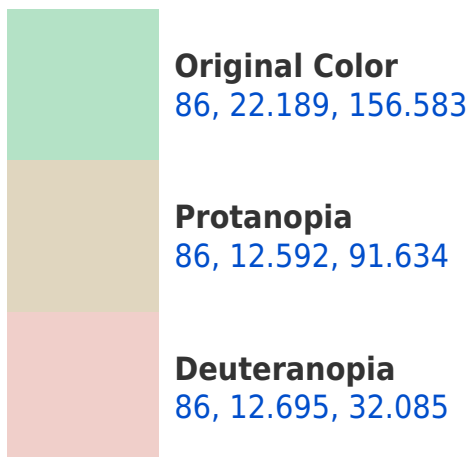


This preview shows how white text looks on a background with the CIELCh color 86, 22.189, 156.583.

# 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

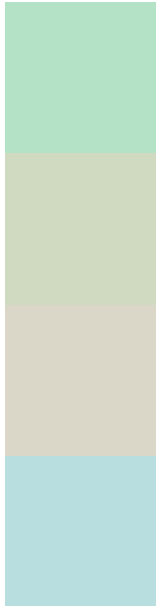






**Tritanopia**  
86, 14.257, 240.543

# Trichromacy



**Original Color**  
86, 22.189, 156.583

**Protanomaly**  
86, 13.602, 124.942

**Deuteranomaly**  
86, 7.460, 98.062

**Tritanomaly**  
86, 12.998, 200.875

# Monochromacy



**Original Color**  
86, 22.189, 156.583

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 8.135, 158.626

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 22.189, 156.583 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(180, 226, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 198)  
}
```

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(180, 226, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 22.189, 156.583 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(180, 226, 198) }
```

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

```
.border{ border-color:rgb(180, 226, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 226, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 226, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 226, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 226,  
198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 22.189, 156.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 198) }
```

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

```
.background{ background-color: rgb(180,  
226, 198) }
```

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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