

Converting Colors

CIELCh(87, 35.859, 139.630)

Have a look what the booklet for
CIELCh(87, 35.859, 139.630)
contains.

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Color

CIELCh(87, 35.629, 139.703)

Conversions

Conversions Part 1

Format	Color
Hex	B4E7AD
RGB	180, 231, 173
RGB Percent	71%, 91%, 68%
CMY	0.2934, 0.0934, 0.3209
CMYK	0.22, 0.00, 0.25, 0.09
HSL	113°, 55%, 79%
HSV	113°, 25%, 91%
XYZ	55.0534, 70.0064, 50.2365
YIQ	209.1390, -11.7780, -28.8500

Conversions

Conversions Part 2

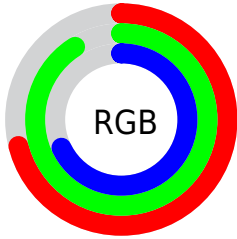
Format	Color
R_{YB}	173, 231, 224
Decimal	11855789
CIE _{Lab}	87.00, -27.17, 23.04
CIE _{LCh}	87, 35.629, 139.703
Yxy	70.0064, 0.3141, 0.3994
Android (android.graphics.Color)	4290045869 (0xFFB4E7AD)
YUV	209.1390, -17.8165, -25.5549
Hunter-Lab	83.6698, -28.9721, 22.9703

Details

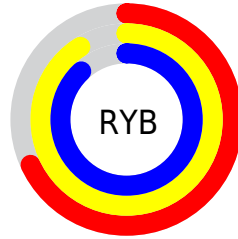
The CIELCh color $87, 35.629, 139.703$ is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be $77, 35.867, 322.318$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 14.748, 135.061$, and $67, 35.687, 139.598$ is the 20% darker color. If you saturate the color by 10%, you get $85, 49.703, 138.984$, and if you desaturate by 10%, it is $89, 21.387, 140.341$.

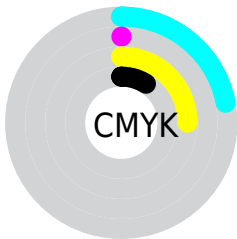
Distribution



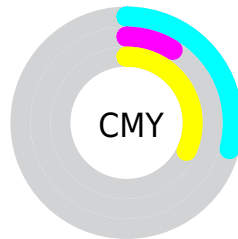
- Red (71%)
- Green (91%)
- Blue (68%)



- Red (68%)
- Yellow (91%)
- Blue (88%)



- Cyan (22%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)





- Cyan (29%)
- Magenta (9%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 35.629, 139.703 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 87, 35.629, 139.703 by changing the saturation by 10% instead.


 87, 35.629,
139.703


 87, 35.629,
139.703


 100, 35.629,
139.703


 77, 35.629,
139.703

 67, 35.629,
139.703

 57, 35.629,
139.703

 47, 35.629,
139.703

 37, 35.629,
139.703


 27, 35.629,
139.703


 17, 35.629,


139.703


 7, 35.629, 139.703


 0, 35.629, 139.703


 87, 35.629,
139.703


 87, 35.629,
139.703

 85, 49.703,
138.984


 89, 21.387,
140.341

 84, 63.332,
138.193

 91, 7.171, 140.914

 83, 76.158,
137.363

 93, 6.873, 321.312

 82, 87.716,
136.559

 94, 14.871,
324.937

 81, 97.434,

135.889

■ 81, 104.703,
135.486

■ 81, 109.109,
135.455

■ 80, 110.439,
135.501

Harmonies

Complementary

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



87, 35.629, 139.703



77, 35.867, 322.318

Rectangle

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



87, 35.629, 139.703



87, 35.629, 189.703



87, 35.629, 319.703



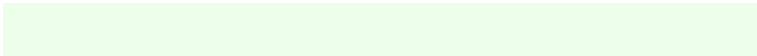
87, 35.629, 9.703

Sweetspot

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



87, 35.631, 139.704



98, 12.226, 140.747



88, 26.151, 101.375



52, 8.698, 140.662



0, 0.000, 0.000



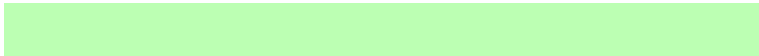
53, 0.007, 296.813

Same Dimension

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



87, 35.631, 139.704



94, 46.092, 139.349



87, 28.374, 155.047



47, 7.976, 140.668



64, 90.876, 135.396



17, 35.709, 136.751

Inverse Universe

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



77, 35.867, 322.318



81, 46.439, 322.555



77, 28.803, 339.054



45, 8.007, 321.559



39, 89.207, 323.589



7, 37.226, 324.233

Previews

White Background



This preview shows how the CIELCh color 87, 35.629, 139.703 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 87, 35.629, 139.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

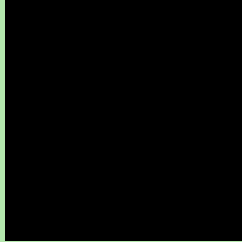
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

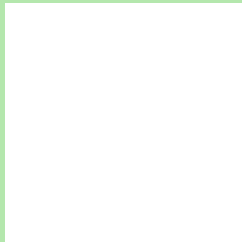
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 35.629, 139.703

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.629, 139.703.

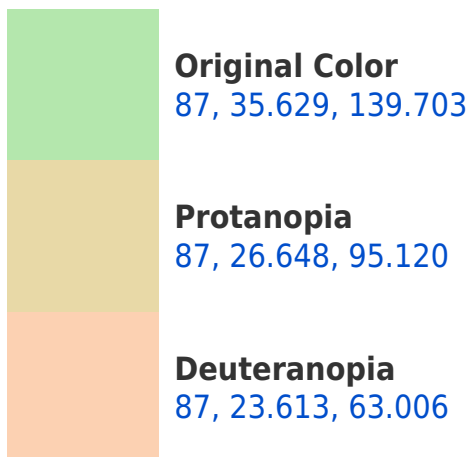


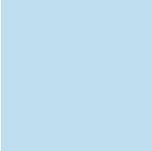
This preview shows how white text looks on a background with the CIELCh color 87, 35.629, 139.703.

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



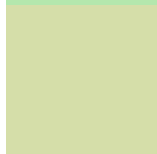


Tritanopia
87, 13.772, 242.292

Trichromacy



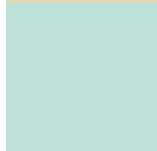
Original Color
87, 35.629, 139.703



Protanomaly
87, 27.659, 115.100



Deuteranomaly
86, 21.612, 99.053

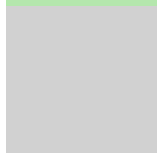


Tritanomaly
87, 14.152, 178.949

Monochromacy



Original Color
87, 35.629, 139.703



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 12.898, 140.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.629, 139.703 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, 231, 173)` looks like.

```
.text, #text, p{  
    color:rgb(180, 231, 173)  
}
```

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, 231, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 231, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.629, 139.703 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, 231, 173) }
```

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

```
.border{ border-color:rgb(180, 231, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 231, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 231, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 231, 173);  
box-shadow:4px 4px 4px 4px rgb(180, 231,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.629, 139.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 231, 173) }
```

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

```
.background{ background-color: rgb(180,  
231, 173) }
```

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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