

Converting Colors

CIELCh(87, 39.859, 138.786)

Have a look what the booklet for
CIELCh(87, 39.859, 138.786)
contains.

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Color

CIELCh(87, 39.469, 138.617)

Conversions

Conversions Part 1

Format	Color
Hex	B1E8A7
RGB	177, 232, 167
RGB Percent	69%, 91%, 65%
CMY	0.3050, 0.0893, 0.3443
CMYK	0.24, 0.00, 0.28, 0.09
HSL	111°, 59%, 78%
HSV	111°, 28%, 91%
XYZ	54.0923, 70.0064, 47.3210
YIQ	208.1450, -11.9150, -31.8750

Conversions

Conversions Part 2

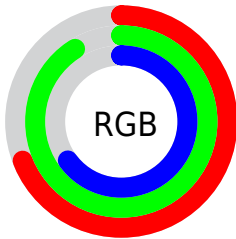
Format	Color
RYB	167, 232, 222
Decimal	11659431
CIELab	87.00, -29.61, 26.09
CIELCh	87, 39.469, 138.617
Yxy	70.0064, 0.3156, 0.4084
Android (android.graphics.Color)	4289849511 (0xFFB1E8A7)
YUV	208.1450, -20.2845, -27.3142
Hunter-Lab	83.6698, -31.0224, 25.0364

Details

The CIELCh color $87, 39.469, 138.617$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $76, 39.845, 321.460$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 18.448, 133.134$, and $67, 39.216, 138.795$ is the 20% darker color. If you saturate the color by 10%, you get $86, 53.360, 137.918$, and if you desaturate by 10%, it is $89, 25.352, 139.247$.

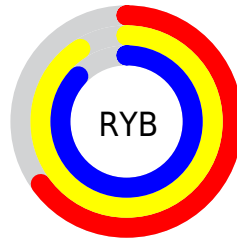
Distribution



Red (69%)

Green (91%)

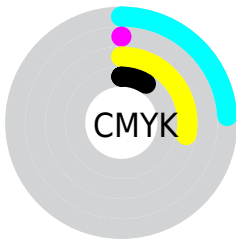
Blue (65%)



Red (65%)

Yellow (91%)

Blue (87%)

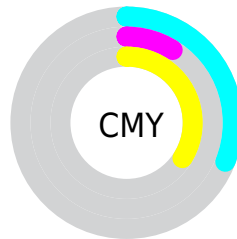


Cyan (24%)

Magenta (0%)

Yellow (28%)

Black (9%)



Cyan (31%)


Magenta (9%)


Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 39.469, 138.617 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, 39.469, 138.617 by changing the saturation by 10% instead.


 87, 39.469,
138.617


 87, 39.469,
138.617


 100, 39.469,
138.617


 77, 39.469,
138.617

 67, 39.469,
138.617

 57, 39.469,
138.617

 47, 39.469,
138.617

 37, 39.469,
138.617


 27, 39.469,
138.617


 17, 39.469,


138.617


 7, 39.469, 138.617


 0, 39.469, 138.617


 87, 39.469,
138.617

 87, 39.469,
138.617

 86, 53.360,
137.918


 89, 25.352,
139.247

 84, 66.739,
137.165

 90, 11.211,
139.809

 83, 79.229,
136.404

 92, 2.801, 320.173

 82, 90.343,
135.713

 94, 14.223,
324.914

 82, 99.488,

135.210

■ 81, 106.078,
135.027

■ 81, 109.869,
135.214

■ 81, 110.431,
135.247

Harmonies

Complementary

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



87, 39.469, 138.617



76, 39.845, 321.460

Rectangle

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



87, 39.469, 138.617



87, 39.469, 188.617



87, 39.469, 318.617



87, 39.469, 8.617

Sweetspot

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



87, 39.471, 138.618



98, 12.100, 139.806



88, 28.342, 99.151



52, 8.607, 139.725



0, 0.000, 0.000



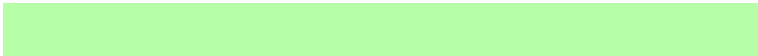
53, 0.007, 296.813

Same Dimension

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



87, 39.471, 138.618



94, 51.620, 138.193



87, 32.571, 153.366



48, 8.038, 139.729



64, 91.506, 135.126



19, 36.941, 135.742

Inverse Universe

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



76, 39.845, 321.460



79, 52.187, 321.736



76, 33.001, 337.772



46, 8.074, 320.590



38, 90.498, 322.363



7, 38.596, 323.167

Previews

White Background



This preview shows how the CIELCh color 87, 39.469, 138.617 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, 39.469, 138.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

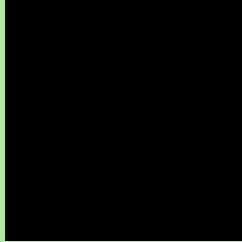
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 39.469, 138.617

Background



This preview shows how black text looks on a background with the CIELCh color 87, 39.469, 138.617.

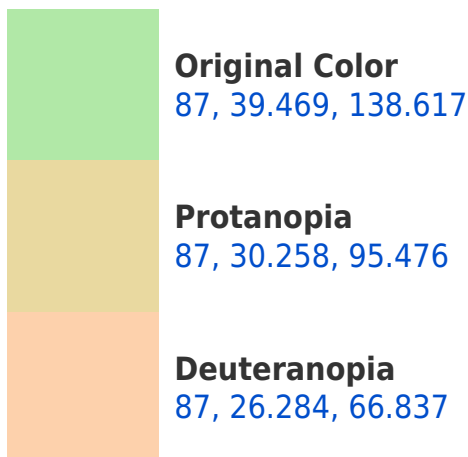


This preview shows how white text looks on a background with the CIELCh color 87, 39.469, 138.617.

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



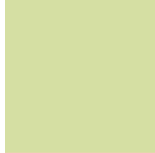


Tritanopia
87, 13.923, 238.755

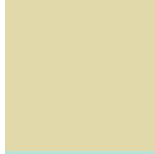
Trichromacy



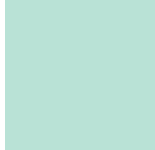
Original Color
87, 39.469, 138.617



Protanomaly
87, 31.224, 114.747



Deuteranomaly
86, 24.625, 100.783

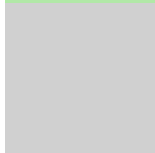


Tritanomaly
87, 15.746, 174.775

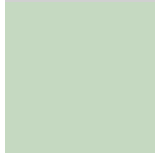
Monochromacy



Original Color
87, 39.469, 138.617



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 14.644, 139.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 39.469, 138.617 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(177, 232, 167)` looks like.

```
.text, #text, p{  
    color:rgb(177, 232, 167)  
}
```

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(177, 232, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 232, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 39.469, 138.617 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(177, 232, 167) }
```

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

```
.border{ border-color:rgb(177, 232, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 232, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 232, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 232, 167);  
box-shadow:4px 4px 4px 4px rgb(177, 232,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 39.469, 138.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 232, 167) }
```

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

```
.background{ background-color: rgb(177,  
232, 167) }
```

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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