

# Converting Colors

CIELCh(87, 39.623, 142.209)

Have a look what the booklet for  
CIELCh(87, 39.623, 142.209)  
contains.

<b>CIELCh(87, 39.323, 142.238)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(87, 39.323, 142.238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE9AB
RGB	172, 233, 171
RGB Percent	67%, 91%, 67%
CMY	0.3254, 0.0862, 0.3293
CMYK	0.26, 0.00, 0.27, 0.09
HSL	119°, 59%, 79%
HSV	119°, 27%, 91%
XYZ	53.5173, 70.0064, 49.2313
YIQ	207.6930, -16.4540, -32.2140

# Conversions

## Conversions Part 2

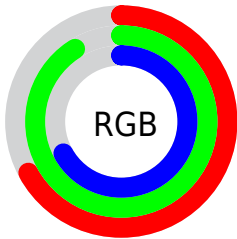
Format	Color
<a href="#">RYB</a>	<a href="#">171, 233, 232</a>
Decimal	<a href="#">11332011</a>
CIELab	<a href="#">87.00, -31.09, 24.08</a>
CIElCh	<a href="#">87, 39.323, 142.238</a>
Yxy	<a href="#">70.0064, 0.3098, 0.4052</a>
Android (android.graphics.Color)	<a href="#">4289522091 (0xFFACE9AB)</a>
YUV	<a href="#">207.6930, -18.0896, -31.3028</a>
Hunter-Lab	<a href="#">83.6698, -32.2491, 23.6826</a>

# Details

The CIELCh color  $87, 39.323, 142.238$  is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be  $77, 39.362, 325.434$ , and the grayscale version is  $83, 0.010, 296.813$ .

A 20% lighter version of the original color is  $97, 17.279, 142.874$ , and  $67, 39.517, 142.083$  is the 20% darker color. If you saturate the color by 10%, you get  $85, 53.865, 141.358$ , and if you desaturate by 10%, it is  $89, 24.517, 143.003$ .

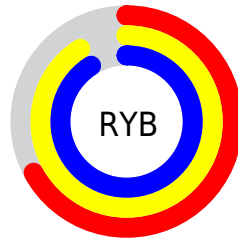
# Distribution



Red (67%)

Green (91%)

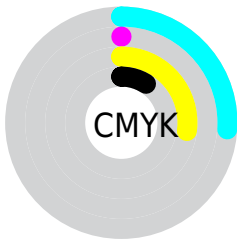
Blue (67%)



Red (67%)

Yellow (91%)

Blue (91%)

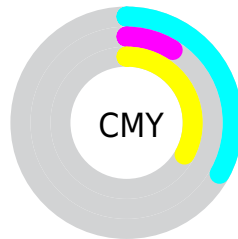


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (9%)



Cyan (33%)

Magenta (9%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 39.323, 142.238 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, 39.323, 142.238 by changing the saturation by 10% instead.




 87, 39.323,  
142.238

 87, 39.323,  
142.238


 100, 39.323,  
142.238


 77, 39.323,  
142.238

 67, 39.323,  
142.238

 57, 39.323,  
142.238

 47, 39.323,  
142.238

 37, 39.323,  
142.238


 27, 39.323,  
142.238


 17, 39.323,


142.238

 7, 39.323, 142.238


 0, 39.323, 142.238

 87, 39.323,  
142.238


 87, 39.323,  
142.238

 85, 53.865,  
141.358


 89, 24.517,  
143.003


 84, 67.799,  
140.365


 91, 9.697, 143.669

 83, 80.699,  
139.289

 93, 4.949, 324.131

 95, 13.718,  
324.896

 82, 92.041,  
138.197

 82, 101.223,

137.204

■ 81, 107.667,  
136.457

■ 81, 111.088,  
136.067

■ 81, 111.810,  
135.966

# Harmonies

# Complementary

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



87, 39.323, 142.238



77, 39.362, 325.434

# Rectangle

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



87, 39.323, 142.238



87, 39.323, 192.238



87, 39.323, 322.238



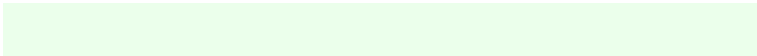
87, 39.323, 12.238

# Sweetspot

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



87, 39.325, 142.238



98, 12.644, 143.577



91, 31.224, 106.885



52, 8.996, 143.480



0, 0.000, 0.000



53, 0.007, 296.813



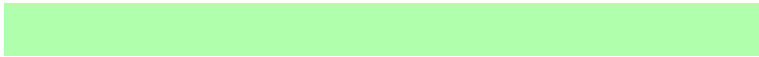


# Same Dimension

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



87, 39.325, 142.238



93, 50.792, 141.764



88, 27.641, 160.356



48, 8.400, 143.485



64, 92.533, 135.947



18, 38.092, 138.011



# Inverse Universe

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



77, 39.362, 325.434



81, 50.815, 325.722



77, 28.497, 345.156



46, 8.415, 324.503



42, 89.425, 327.596



9, 38.289, 327.689



# Previews

## White Background



This preview shows how the CIELCh color 87, 39.323, 142.238 looks on a white background.

## Color Contrast Check

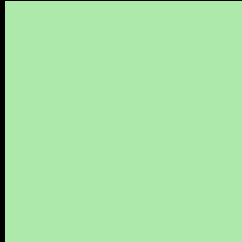
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 87, 39.323, 142.238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

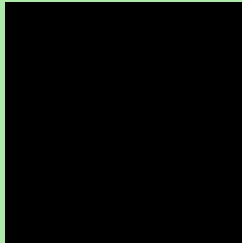
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 87, 39.323, 142.238

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 39.323, 142.238.

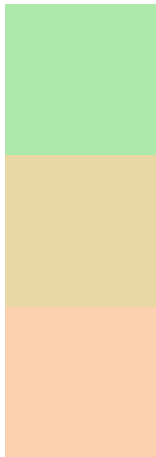


This preview shows how white text looks on a background with the CIELCh color 87, 39.323, 142.238.

# 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



**Original Color**  
87, 39.323, 142.238

**Protanopia**  
87, 28.159, 95.635

**Deuteranopia**  
87, 24.393, 64.601



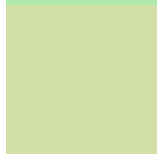


**Tritanopia**  
87, 15.673, 235.869

# Trichromacy



**Original Color**  
87, 39.323, 142.238



**Protanomaly**  
87, 29.400, 117.596



**Deuteranomaly**  
86, 22.943, 103.372

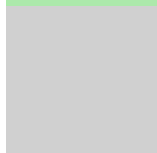


**Tritanomaly**  
87, 17.343, 178.774

# Monochromacy



**Original Color**  
87, 39.323, 142.238



**Achromatopsia**  
83, 0.010, 296.813



**Achromatomaly**  
85, 14.153, 143.860

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 39.323, 142.238 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(172, 233, 171)` looks like.

```
.text, #text, p{  
    color:rgb(172, 233, 171)  
}
```

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(172, 233, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 233, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 39.323, 142.238 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(172, 233, 171) }
```

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

```
.border{ border-color:rgb(172, 233, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 233, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 233, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 233, 171);  
box-shadow:4px 4px 4px 4px rgb(172, 233,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 39.323, 142.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 233, 171) }
```

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

```
.background{ background-color: rgb(172,  
233, 171) }
```

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