

Converting Colors

CIELCh(89, 38.005, 133.833)

Have a look what the booklet for
CIELCh(89, 38.005, 133.833)
contains.

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Color

CIELCh(89, 37.975, 133.839)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BFECAA |
| RGB | 191, 236, 170 |
| RGB Percent | 75%, 93%, 67% |
| CMY | 0.2500, 0.0735, 0.3323 |
| CMYK | 0.19, 0.00, 0.28, 0.07 |
| HSL | 101°, 64%, 80% |
| HSV | 101°, 28%, 93% |
| XYZ | 58.9011, 74.1641, 49.3643 |
| YIQ | 215.0210, -5.6340, -30.0660 |

Conversions

Conversions Part 2

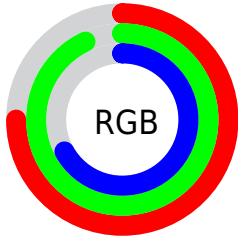
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 170, 236, 215 |
| Decimal | 12577962 |
| CIELab | 89.00, -26.30, 27.39 |
| CIElCh | 89, 37.975, 133.839 |
| Yxy | 74.1641, 0.3229, 0.4065 |
| Android (android.graphics.Color) | 4290768042 (0xFFBFECAA) |
| YUV | 215.0210, -22.1954, -21.0664 |
| Hunter-Lab | 86.1186, -28.6218, 26.2972 |

Details

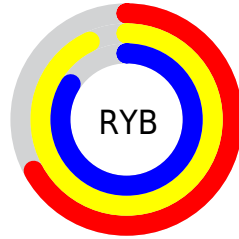
The CIELCh color **89, 37.975, 133.839** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76, 38.845, 316.356**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.923, 118.859**, and **69, 38.070, 133.513** is the 20% darker color. If you saturate the color by 10%, you get **88, 51.375, 133.296**, and if you desaturate by 10%, it is **90, 24.381, 134.356**.

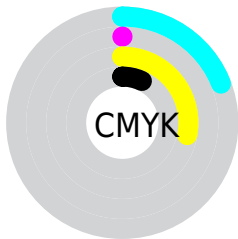
Distribution



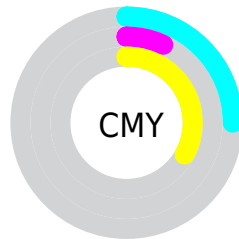
- Red (75%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (84%)



- Cyan (19%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (25%)
- Magenta (7%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 37.975, 133.839 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 89, 37.975, 133.839 by changing the saturation by 10% instead.


 89, 37.975,
133.839


 89, 37.975,
133.839


 100, 37.975,
133.839


 79, 37.975,
133.839

 69, 37.975,
133.839

 59, 37.975,
133.839

 49, 37.975,
133.839

 39, 37.975,
133.839


 29, 37.975,
133.839


 19, 37.975,


133.839


 9, 37.975, 133.839


 0, 37.975, 133.839


 89, 37.975,
133.839


 89, 37.975,
133.839

 88, 51.375,
133.296


 90, 24.381,
134.356


 86, 64.342,
132.753

 92, 10.754,
134.836

 85, 76.554,
132.263

 94, 2.786, 315.166

 85, 87.562,
131.912

 95, 11.687,
324.821

 84, 96.805,

131.821

■ 83, 103.707,
132.119

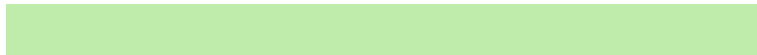
■ 83, 108.016,
132.854

■ 83, 108.723,
133.010

Harmonies

Complementary

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



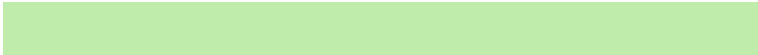
89, 37.975, 133.839



76, 38.845, 316.356

Rectangle

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



89, 37.975, 133.839



89, 37.975, 183.839



89, 37.975, 313.839



89, 37.975, 3.839

Sweetspot

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



89, 37.977, 133.840



99, 11.525, 134.831



87, 24.560, 87.515



52, 8.197, 134.761



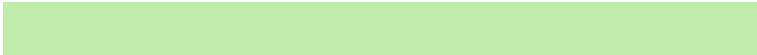
0, 0.000, 0.000



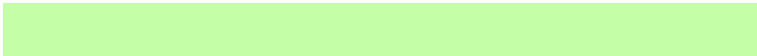
53, 0.007, 296.813

Same Dimension

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



89, 37.977, 133.840



94, 49.071, 133.505



88, 37.353, 147.326



48, 7.654, 134.765



65, 88.827, 132.787



19, 35.553, 132.559

Inverse Universe

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



76, 38.845, 316.356



77, 50.445, 316.628



77, 37.466, 331.128



46, 7.721, 315.535



33, 92.905, 316.810



6, 38.444, 317.744

Previews

White Background



This preview shows how the CIELCh color 89, 37.975, 133.839 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 89, 37.975, 133.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

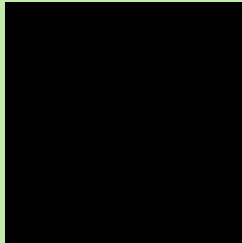
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

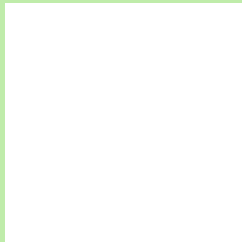
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 37.975, 133.839

Background



This preview shows how black text looks on a background with the CIELCh color 89, 37.975, 133.839.

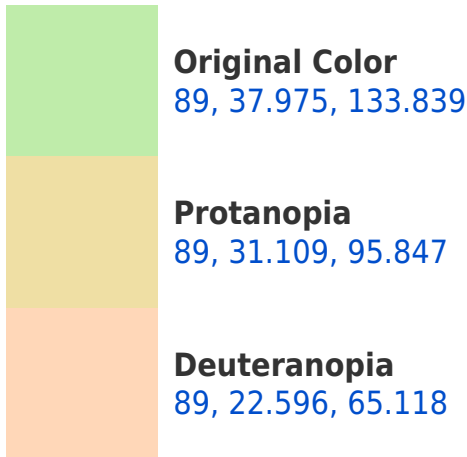


This preview shows how white text looks on a background with the CIELCh color 89, 37.975, 133.839.

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



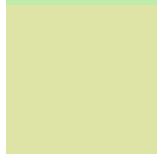


Tritanopia
89, 12.190, 249.558

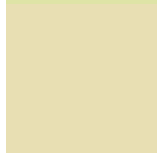
Trichromacy



Original Color
89, 37.975, 133.839



Protanomaly
89, 31.939, 111.741



Deuteranomaly
89, 23.031, 99.568

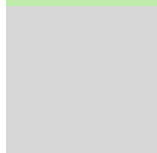


Tritanomaly
89, 12.677, 169.016

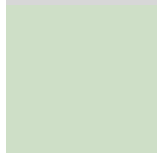
Monochromacy



Original Color
89, 37.975, 133.839



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 14.030, 135.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 37.975, 133.839 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(191, 236, 170)` looks like.

```
.text, #text, p{  
    color:rgb(191, 236, 170)  
}
```

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(191, 236, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 236, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 37.975, 133.839 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(191, 236, 170) }
```

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

```
.border{ border-color:rgb(191, 236, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 236, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 236, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 236, 170);  
box-shadow:4px 4px 4px 4px rgb(191, 236,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 37.975, 133.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 236, 170) }
```

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

```
.background{ background-color: rgb(191,  
236, 170) }
```

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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