

# Converting Colors

CIELCh(88, 36.906, 141.000)

Have a look what the booklet for  
CIELCh(88, 36.906, 141.000)  
contains.

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# **Color**

**CIELCh(88, 37.181, 140.648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4EBAF
RGB	180, 235, 175
RGB Percent	71%, 92%, 69%
CMY	0.2949, 0.0792, 0.3145
CMYK	0.23, 0.00, 0.26, 0.08
HSL	115°, 60%, 80%
HSV	115°, 26%, 92%
XYZ	56.1439, 72.0653, 51.4073
YIQ	211.7150, -13.5200, -30.3200

# Conversions

## Conversions Part 2

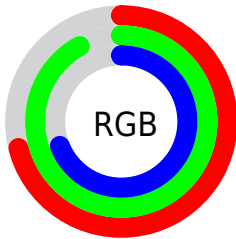
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 235, 230
Decimal	11856815
CIELab	88.00, -28.75, 23.58
CIELCh	88, 37.181, 140.648
Yxy	72.0653, 0.3126, 0.4012
Android (android.graphics.Color)	4290046895 (0xFFB4EBAF)
YUV	211.7150, -18.1005, -27.8141
Hunter-Lab	84.8913, -30.5066, 23.5199

# Details

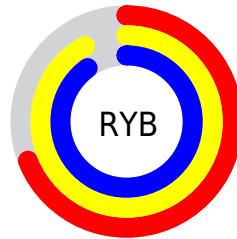
The CIELCh color **88, 37.181, 140.648** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78, 37.351, 323.444**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 13.838, 136.890**, and **68, 37.283, 140.541** is the 20% darker color. If you saturate the color by 10%, you get **86, 51.576, 139.876**, and if you desaturate by 10%, it is **90, 22.588, 141.328**.

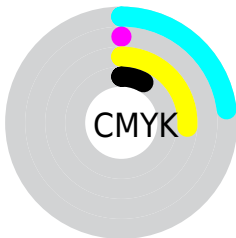
# Distribution



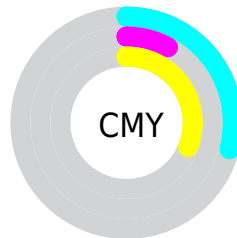
- Red (71%)
- Green (92%)
- Blue (69%)



- Red (69%)
- Yellow (92%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)



- Cyan (29%)
- Magenta (8%)
- Yellow (31%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 37.181, 140.648 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 88, 37.181, 140.648 by changing the saturation by 10% instead.



 88, 37.181,  
140.648


 88, 37.181,  
140.648

 100, 37.181,  
140.648

 78, 37.181,  
140.648

 68, 37.181,  
140.648

 58, 37.181,  
140.648

 48, 37.181,  
140.648

 38, 37.181,  
140.648

 28, 37.181,  
140.648

 18, 37.181,


140.648


 8, 37.181, 140.648


 0, 37.181, 140.648

 88, 37.181,  
140.648

 88, 37.181,  
140.648

 86, 51.576,  
139.876


 90, 22.588,  
141.328


 85, 65.471,  
139.018

 92, 8.012, 141.930

 84, 78.482,  
138.106

 94, 6.386, 322.351

 83, 90.115,  
137.206

 95, 12.608,  
324.855

 82, 99.778,

136.427

■ 82, 106.860,  
135.906

■ 82, 110.976,  
135.749

■ 82, 112.076,  
135.724

# Harmonies

# Complementary

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



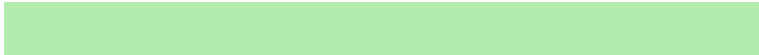
88, 37.181, 140.648



78, 37.351, 323.444

# Rectangle

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



88, 37.181, 140.648



88, 37.181, 190.648



88, 37.181, 320.648



88, 37.181, 10.648

# Sweetspot

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



88, 37.183, 140.648



98, 12.372, 141.784



90, 28.311, 103.917



52, 8.802, 141.695



0, 0.000, 0.000



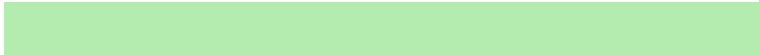
53, 0.007, 296.813



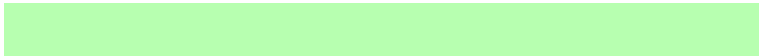


# Same Dimension

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



88, 37.183, 140.648



94, 48.185, 140.228



88, 28.142, 157.227



48, 8.219, 141.700



64, 92.149, 135.645



18, 37.513, 136.907



# Inverse Universe

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



78, 37.351, 323.444



81, 48.422, 323.714



78, 28.725, 341.528



46, 8.244, 322.633



40, 89.827, 324.995

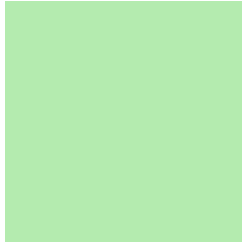


8, 38.427, 325.461



# Previews

## White Background



This preview shows how the CIELCh color 88, 37.181, 140.648 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 88, 37.181, 140.648 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 88, 37.181, 140.648**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 37.181, 140.648.

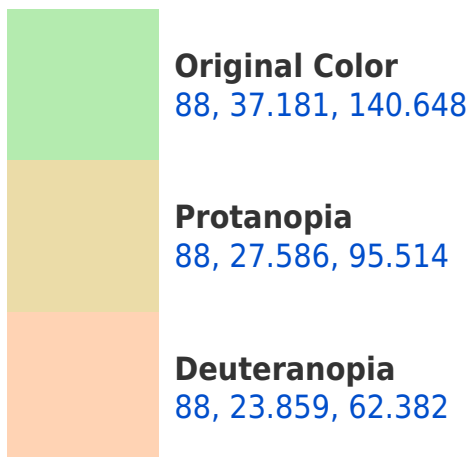


This preview shows how white text looks on a background with the CIELCh color 88, 37.181, 140.648.

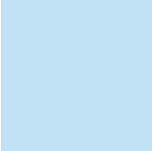
# Color Blindness Simulation

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





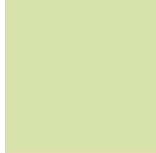


**Tritanopia**  
88, 14.442, 239.634

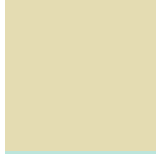
# Trichromacy



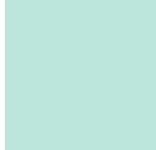
**Original Color**  
88, 37.181, 140.648



**Protanomaly**  
88, 28.658, 115.559

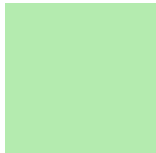


**Deuteranomaly**  
87, 22.010, 100.245

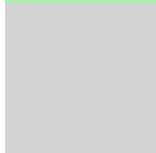


**Tritanomaly**  
88, 15.257, 178.319

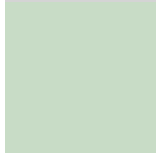
# Monochromacy



**Original Color**  
88, 37.181, 140.648



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
86, 13.704, 141.462

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 37.181, 140.648 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, 235, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 235, 175)  
}
```

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, 235, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 235, 175) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 37.181, 140.648 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, 235, 175) }
```

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

```
.border{ border-color:rgb(180, 235, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 235, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 235, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 235, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 235,  
175) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 37.181, 140.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 235, 175) }
```

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

```
.background{ background-color: rgb(180,  
235, 175) }
```

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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