

Converting Colors

CIELCh(90, 38.561, 133.459)

Have a look what the booklet for
CIELCh(90, 38.561, 133.459)
contains.

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Color

CIElCh(90, 38.342, 133.517)

Conversions

Conversions Part 1

Format	Color
Hex	C2EFAC
RGB	194, 239, 172
RGB Percent	76%, 94%, 67%
CMY	0.2386, 0.0621, 0.3249
CMYK	0.19, 0.00, 0.28, 0.06
HSL	100°, 68%, 81%
HSV	100°, 28%, 94%
XYZ	60.6644, 76.3034, 50.6384
YIQ	217.9070, -5.3130, -30.3770

Conversions

Conversions Part 2

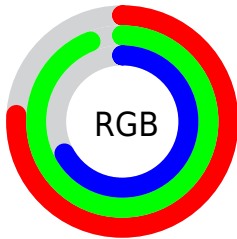
Format	Color
RYB	172, 239, 217
Decimal	12775340
CIELab	90.00, -26.40, 27.80
CIELCh	90, 38.342, 133.517
Yxy	76.3034, 0.3234, 0.4067
Android (android.graphics.Color)	4290965420 (0xFFC2EFAC)
YUV	217.9070, -22.6322, -20.9664
Hunter-Lab	87.3518, -28.9003, 26.7755

Details

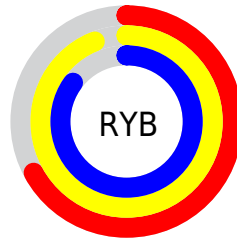
The CIELCh color **90, 38.342, 133.517** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76, 39.258, 316.037**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.757, 115.192**, and **70, 38.613, 133.665** is the 20% darker color. If you saturate the color by 10%, you get **89, 51.830, 132.980**, and if you desaturate by 10%, it is **91, 24.657, 134.030**.

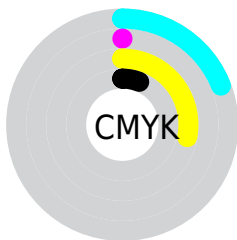
Distribution



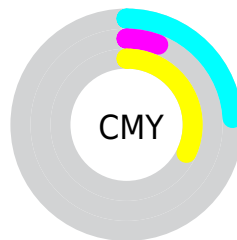
- Red (76%)
- Green (94%)
- Blue (67%)



- Red (67%)
- Yellow (94%)
- Blue (85%)



- Cyan (19%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)





- Cyan (24%)
- Magenta (6%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 38.342, 133.517 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 90, 38.342, 133.517 by changing the saturation by 10% instead.


 90, 38.342,
133.517


 90, 38.342,
133.517


 100, 38.342,
133.517


 80, 38.342,
133.517


 70, 38.342,
133.517

 60, 38.342,
133.517


 50, 38.342,
133.517

 40, 38.342,
133.517


 30, 38.342,
133.517


 20, 38.342,


133.517


 10, 38.342,
133.517

 0, 38.342, 133.517


 90, 38.342,
133.517


 90, 38.342,
133.517

 89, 51.830,
132.980


 91, 24.657,
134.030

 87, 64.880,
132.446

 93, 10.936,
134.508

 86, 77.168,
131.969

 95, 2.702, 314.836

 86, 88.242,
131.636

 96, 9.871, 324.754

■ 85, 97.535,
131.568

■ 84, 104.466,
131.896

■ 84, 108.793,
132.664

■ 84, 109.479,
132.822

Harmonies

Complementary

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



90, 38.342, 133.517



76, 39.258, 316.037

Rectangle

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



90, 38.342, 133.517



90, 38.342, 183.517



90, 38.342, 313.517



90, 38.342, 3.517

Sweetspot

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



90, 38.344, 133.518



99, 11.493, 134.507



87, 24.875, 87.502



52, 8.174, 134.437



0, 0.000, 0.000



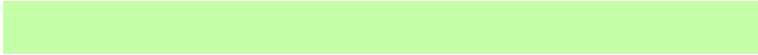
53, 0.007, 296.813

Same Dimension

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



90, 38.344, 133.518



94, 48.923, 133.192



89, 37.827, 147.317



49, 7.769, 134.440



66, 89.551, 132.598



20, 36.905, 132.018

Inverse Universe

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



76, 39.258, 316.037



77, 50.349, 316.306



78, 37.941, 331.134



47, 7.839, 315.211



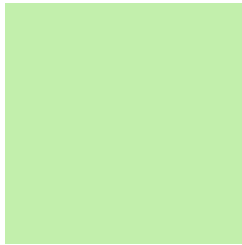
33, 94.064, 316.489



6, 40.085, 317.586

Previews

White Background



This preview shows how the CIELCh color 90, 38.342, 133.517 looks on a white background.

Color Contrast Check

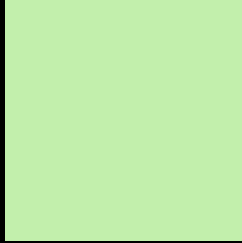
Large Text (above 18pt) WCAG AA × Fail

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 90, 38.342, 133.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

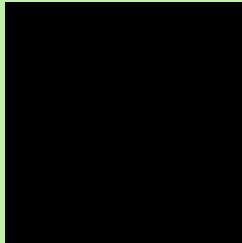
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

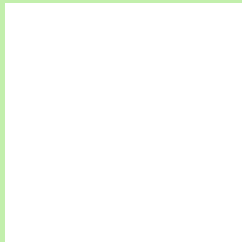
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 38.342, 133.517

Background



This preview shows how black text looks on a background with the CIELCh color 90, 38.342, 133.517.

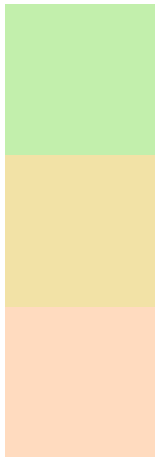


This preview shows how white text looks on a background with the CIELCh color 90, 38.342, 133.517.

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](#).

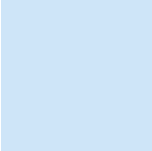
Dichromacy



Original Color
90, 38.342, 133.517

Protanopia
90, 31.532, 96.024

Deuteranopia
90, 20.208, 65.518

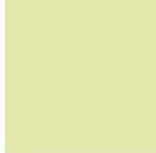


Tritanopia
90, 12.359, 252.389

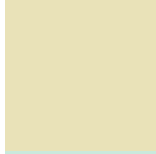
Trichromacy



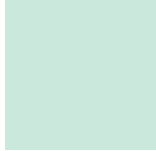
Original Color
90, 38.342, 133.517



Protanomaly
90, 32.369, 111.667



Deuteranomaly
89, 21.850, 101.308

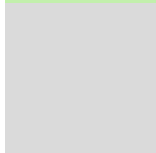


Tritanomaly
90, 12.933, 167.073

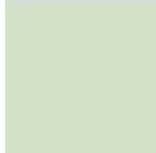
Monochromacy



Original Color
90, 38.342, 133.517



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 14.463, 134.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 38.342, 133.517 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(194, 239, 172)` looks like.

```
.text, #text, p{  
    color:rgb(194, 239, 172)  
}
```

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(194, 239, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 239, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 38.342, 133.517 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(194, 239, 172) }
```

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

```
.border{ border-color:rgb(194, 239, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 239, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 239, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 239, 172); box-shadow:4px 4px 4px 4px rgb(194, 239, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 38.342, 133.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 239, 172) }
```

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

```
.background{ background-color: rgb(194,  
239, 172) }
```

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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