

Converting Colors

CIELCh(91, 50.257, 138.237)

Have a look what the booklet for
CIELCh(91, 50.257, 138.237)
contains.

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Color

CIELCh(91, 50.303, 138.173)

Conversions

Conversions Part 1

Format	Color
Hex	B0F7A3
RGB	176, 247, 163
RGB Percent	69%, 97%, 64%
CMY	0.3094, 0.0309, 0.3604
CMYK	0.29, 0.00, 0.34, 0.03
HSL	111°, 84%, 80%
HSV	111°, 34%, 97%
XYZ	57.8462, 78.4833, 46.8008
YIQ	216.1950, -15.3520, -41.1760

Conversions

Conversions Part 2

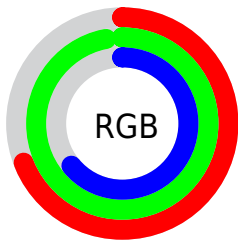
Format	Color
RYB	163, 247, 234
Decimal	11597731
CIELab	91.00, -37.48, 33.55
CIELCh	91, 50.303, 138.173
Yxy	78.4833, 0.3159, 0.4286
Android (android.graphics.Color)	4289787811 (0xFFB0F7A3)
YUV	216.1950, -26.2251, -35.2510
Hunter-Lab	88.5908, -38.4807, 30.6918

Details

The CIELCh color **91, 50.303, 138.173** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **76, 50.860, 321.706**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 20.460, 131.678**, and **71, 50.347, 138.063** is the 20% darker color. If you saturate the color by 10%, you get **90, 64.620, 137.437**, and if you desaturate by 10%, it is **93, 35.576, 138.849**.

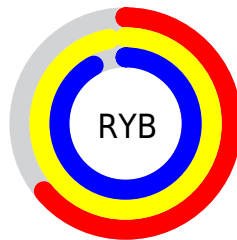
Distribution



Red (69%)

Green (97%)

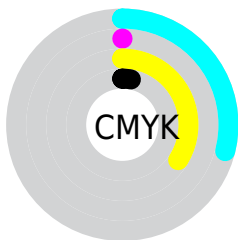
Blue (64%)



Red (64%)

Yellow (97%)

Blue (92%)

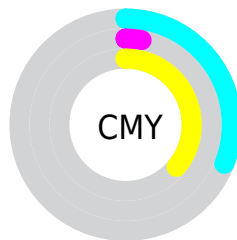


Cyan (29%)

Magenta (0%)

Yellow (34%)

Black (3%)



Cyan (31%)


Magenta (3%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 50.303, 138.173 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 91, 50.303, 138.173 by changing the saturation by 10% instead.


 91, 50.303,
138.173


 91, 50.303,
138.173


 100, 50.303,
138.173


 81, 50.303,
138.173

 71, 50.303,
138.173

 61, 50.303,
138.173


 51, 50.303,
138.173

 41, 50.303,
138.173


 31, 50.303,
138.173


 21, 50.303,


138.173


 11, 50.303,
138.173


 1, 50.303, 138.173


 91, 50.303,
138.173


 91, 50.303,
138.173

 90, 64.620,
137.437


 93, 35.576,
138.849

 88, 78.166,
136.671

 94, 20.700,
139.451

 87, 90.472,
135.941

 96, 5.870, 140.003

 87, 100.947,
135.352

 98, 4.906, 324.550

■ 86, 108.943,
135.037

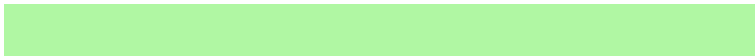
■ 86, 113.983,
135.105

■ 86, 115.770,
135.264

Harmonies

Complementary

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



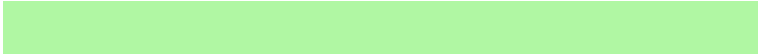
91, 50.303, 138.173



76, 50.860, 321.706

Rectangle

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



91, 50.303, 138.173



91, 50.303, 188.173



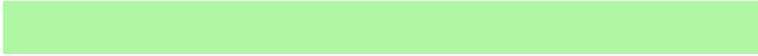
91, 50.303, 318.173



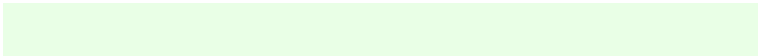
91, 50.303, 8.173

Sweetspot

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



91, 50.305, 138.174



98, 15.140, 139.672



92, 36.175, 98.432



52, 10.337, 139.595



0, 0.000, 0.000



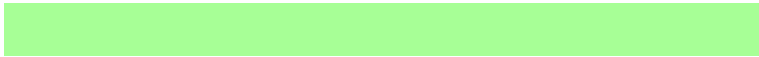
53, 0.007, 296.813

Same Dimension

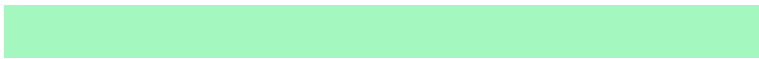
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 50.305, 138.174



93, 61.947, 137.657



91, 41.471, 152.731



50, 8.322, 139.701



66, 93.424, 135.133



21, 39.836, 135.070

Inverse Universe

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



76, 50.860, 321.706



75, 62.707, 322.004



77, 42.084, 338.299



48, 8.359, 320.566



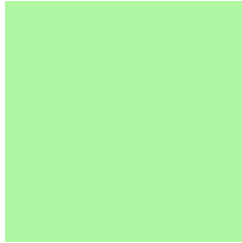
39, 92.399, 322.320



9, 40.982, 323.071

Previews

White Background



This preview shows how the CIE LCh color 91, 50.303, 138.173 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 91, 50.303, 138.173 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

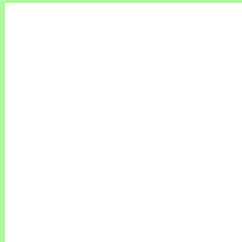
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 50.303, 138.173

Background



This preview shows how black text looks on a background with the CIELCh color 91, 50.303, 138.173.

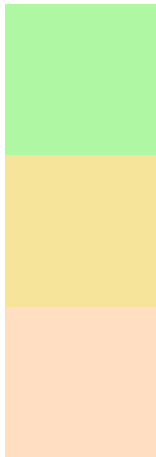


This preview shows how white text looks on a background with the CIELCh color 91, 50.303, 138.173.

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
91, 50.303, 138.173

Protanopia
91, 38.172, 95.553

Deuteranopia
91, 19.339, 68.021

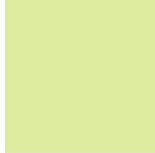


Tritanopia
91, 17.072, 234.102

Trichromacy



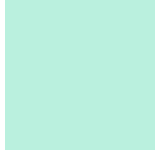
Original Color
91, 50.303, 138.173



Protanomaly
90, 39.579, 114.964



Deuteranomaly
90, 24.762, 112.582

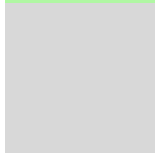


Tritanomaly
91, 20.954, 171.532

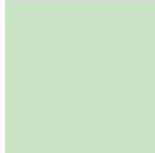
Monochromacy



Original Color
91, 50.303, 138.173



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 18.362, 140.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 50.303, 138.173 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(176, 247, 163)` looks like.

```
.text, #text, p{  
    color:rgb(176, 247, 163)  
}
```

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(176, 247, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 247, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 50.303, 138.173 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(176, 247, 163) }
```

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

```
.border{ border-color:rgb(176, 247, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 247, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 247, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 247, 163);  
box-shadow:4px 4px 4px 4px rgb(176, 247,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 50.303, 138.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 247, 163) }
```

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

```
.background{ background-color: rgb(176,  
247, 163) }
```

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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