

Converting Colors

CIELCh(90, 50.771, 142.054)

Have a look what the booklet for
CIELCh(90, 50.771, 142.054)
contains.

CIELCh(90, 50.417, 142.083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 50.417, 142.083)

Conversions

Conversions Part 1

Format	Color
Hex	A5F5A5
RGB	165, 245, 165
RGB Percent	65%, 96%, 65%
CMY	0.3515, 0.0377, 0.3515
CMYK	0.33, 0.00, 0.33, 0.04
HSL	120°, 81%, 81%
HSV	120°, 33%, 96%
XYZ	55.1848, 76.3034, 47.5864
YIQ	211.9600, -22.0000, -41.8400

Conversions

Conversions Part 2

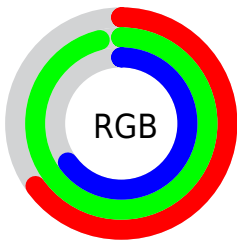
Format	Color
RYB	165, 245, 245
Decimal	10876325
CIELab	90.00, -39.77, 30.98
CIElCh	90, 50.417, 142.083
Yxy	76.3034, 0.3082, 0.4261
Android (android.graphics.Color)	4289066405 (0xFFA5F5A5)
YUV	211.9600, -23.1513, -41.1839
Hunter-Lab	87.3518, -40.0977, 28.8470

Details

The CIELCh color **90, 50.417, 142.083** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **78, 50.389, 326.211**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 21.053, 142.884**, and **70, 50.455, 141.952** is the 20% darker color. If you saturate the color by 10%, you get **88, 65.296, 141.100**, and if you desaturate by 10%, it is **92, 35.038, 142.943**.

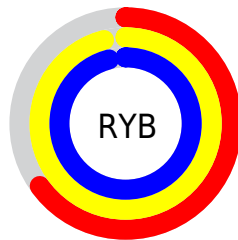
Distribution



Red (65%)

Green (96%)

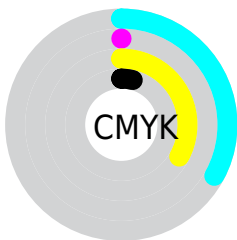
Blue (65%)



Red (65%)

Yellow (96%)

Blue (96%)

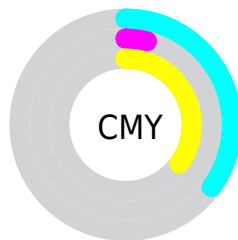


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (35%)


Magenta (4%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 50.417, 142.083 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, 50.417, 142.083 by changing the saturation by 10% instead.


 90, 50.417,
142.083


 90, 50.417,
142.083


 100, 50.417,
142.083


 80, 50.417,
142.083

 70, 50.417,
142.083

 60, 50.417,
142.083


 50, 50.417,
142.083

 40, 50.417,
142.083


 30, 50.417,
142.083


 20, 50.417,


142.083


 10, 50.417,
142.083


 0, 50.417, 142.083

 90, 50.417,
142.083


 90, 50.417,
142.083

 88, 65.296,
141.100

 92, 35.038,
142.943


 87, 79.250,
140.010

 94, 19.484,
143.684

 86, 91.763,
138.863

 96, 4.001, 144.367

 98, 5.987, 324.598

 86, 102.225,
137.757

■ 85,110.006,
136.835

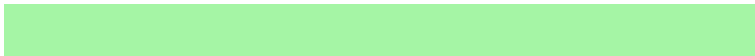
■ 85,114.653,
136.240

■ 85,116.341,
136.016

Harmonies

Complementary

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



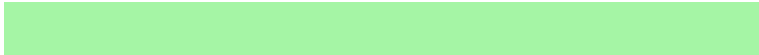
90, 50.417, 142.083



78, 50.389, 326.211

Rectangle

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



90, 50.417, 142.083



90, 50.417, 192.083



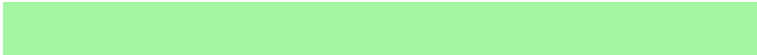
90, 50.417, 322.083



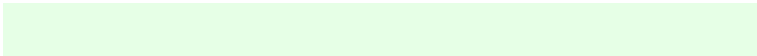
90, 50.417, 12.083

Sweetspot

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



90, 50.419, 142.083



98, 15.911, 143.860



95, 39.748, 106.286



52, 10.865, 143.765



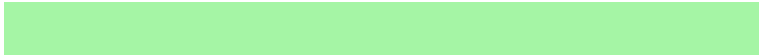
0, 0.000, 0.000



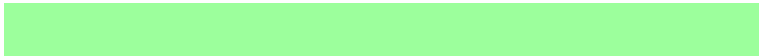
53, 0.007, 296.813

Same Dimension

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



90, 50.419, 142.083



92, 61.897, 141.461



91, 35.164, 159.686



50, 8.745, 143.896



66, 94.552, 136.015



20, 41.093, 137.396

Inverse Universe

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



78, 50.389, 326.211



77, 61.782, 326.541



77, 36.482, 345.820



48, 8.758, 324.941



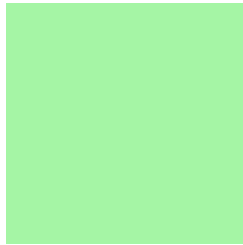
44, 91.228, 328.228



11, 40.561, 328.228

Previews

White Background



This preview shows how the CIE LCh color 90, 50.417, 142.083 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 90, 50.417, 142.083 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

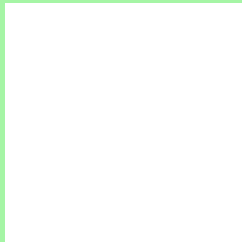
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 50.417, 142.083

Background



This preview shows how black text looks on a background with the CIELCh color 90, 50.417, 142.083.

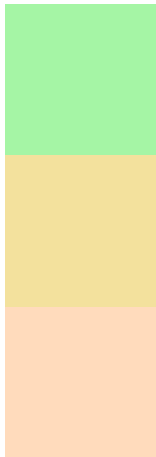


This preview shows how white text looks on a background with the CIELCh color 90, 50.417, 142.083.

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, 50.417, 142.083

Protanopia

90, 35.704, 95.607

Deuteranopia

90, 21.410, 68.144

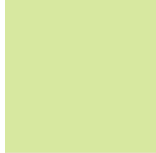


Tritanopia
90, 19.083, 229.862

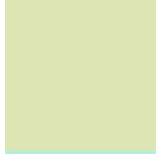
Trichromacy



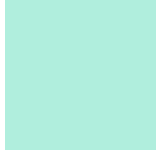
Original Color
90, 50.417, 142.083



Protanomaly
89, 37.409, 117.371

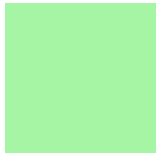


Deuteranomaly
89, 25.387, 114.156

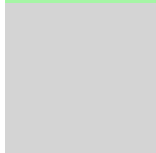


Tritanomaly
90, 23.033, 175.248

Monochromacy



Original Color
90, 50.417, 142.083



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 18.576, 143.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 50.417, 142.083 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(165, 245, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 245, 165)  
}
```

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(165, 245, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 245, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 50.417, 142.083 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(165, 245, 165) }
```

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

```
.border{ border-color:rgb(165, 245, 165) }
```

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

Here you see how a box with a 4 pixel rgb(165, 245, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 245, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 245, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 245,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 50.417, 142.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 245, 165) }
```

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

```
.background{ background-color: rgb(165,  
245, 165) }
```

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