

Converting Colors

CIELCh(90, 51.949, 140.378)

Have a look what the booklet for
CIELCh(90, 51.949, 140.378)
contains.

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Color

CIELCh(90, 51.713, 140.261)

Conversions

Conversions Part 1

Format	Color
Hex	A7F5A1
RGB	167, 245, 161
RGB Percent	65%, 96%, 63%
CMY	0.3440, 0.0381, 0.3676
CMYK	0.32, 0.00, 0.34, 0.04
HSL	116°, 81%, 80%
HSV	116°, 34%, 96%
XYZ	55.1882, 76.3034, 45.6590
YIQ	212.1020, -19.5240, -42.6600

Conversions

Conversions Part 2

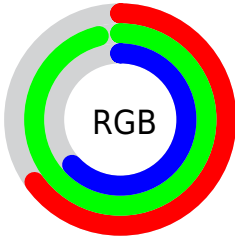
Format	Color
RYB	161, 245, 239
Decimal	11007393
CIELab	90.00, -39.77, 33.06
CIELCh	90, 51.713, 140.261
Yxy	76.3034, 0.3115, 0.4307
Android (android.graphics.Color)	4289197473 (0xFFA7F5A1)
YUV	212.1020, -25.1933, -39.5545
Hunter-Lab	87.3518, -40.0907, 30.1552

Details

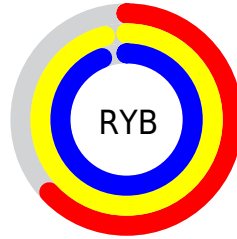
The CIELCh color **90, 51.713, 140.261** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **76, 51.926, 324.212**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 22.854, 137.928**, and **70, 51.355, 140.412** is the 20% darker color. If you saturate the color by 10%, you get **89, 66.233, 139.391**, and if you desaturate by 10%, it is **92, 36.710, 141.040**.

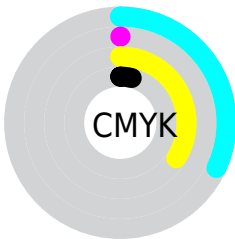
Distribution



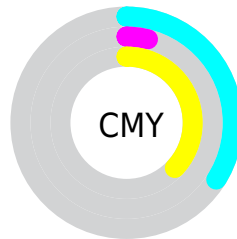
- Red (65%)
- Green (96%)
- Blue (63%)



- Red (63%)
- Yellow (96%)
- Blue (94%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)





- Cyan (34%)
- Magenta (4%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 51.713, 140.261 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, 51.713, 140.261 by changing the saturation by 10% instead.


 90, 51.713,
140.261


 90, 51.713,
140.261


 100, 51.713,
140.261


 80, 51.713,
140.261

 70, 51.713,
140.261

 60, 51.713,
140.261


 50, 51.713,
140.261

 40, 51.713,
140.261


 30, 51.713,
140.261


 20, 51.713,


140.261


 10, 51.713,
140.261

 0, 51.713, 140.261


 90, 51.713,
140.261


 90, 51.713,
140.261

 89, 66.233,
139.391

 92, 36.710,
141.040


 87, 79.869,
138.454

 94, 21.522,
141.721

 86, 92.118,
137.514

 96, 6.378, 142.332

 98, 6.048, 324.601

 86, 102.370,
136.674

■ 85,109.984,
136.073

■ 85,114.520,
135.828

■ 85,115.941,
135.788

Harmonies

Complementary

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



90, 51.713, 140.261



76, 51.926, 324.212

Rectangle

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



90, 51.713, 140.261



90, 51.713, 190.261



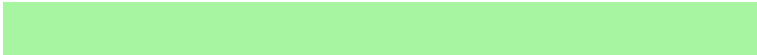
90, 51.713, 320.261



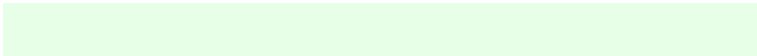
90, 51.713, 10.261

Sweetspot

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



90, 51.715, 140.261



98, 15.545, 141.984



93, 39.175, 102.981



52, 10.615, 141.898



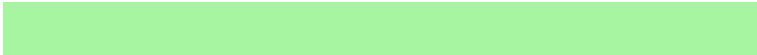
0, 0.000, 0.000



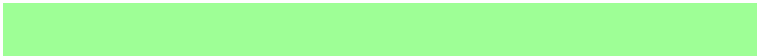
53, 0.007, 296.813

Same Dimension

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



90, 51.715, 140.261



92, 63.548, 139.676



90, 38.885, 156.288



50, 8.544, 142.016



66, 94.162, 135.716



21, 40.493, 136.324

Inverse Universe

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



76, 51.926, 324.212



75, 63.778, 324.524



76, 39.912, 342.392



48, 8.568, 322.968



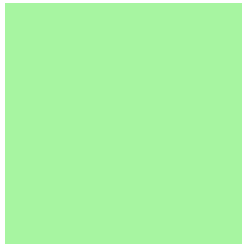
42, 91.613, 325.439



10, 40.703, 325.803

Previews

White Background



This preview shows how the CIE LCh color 90, 51.713, 140.261 looks on a white background.

Color Contrast Check

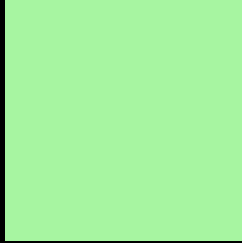
Large Text (above 18pt) WCAG AA × Fail

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, 51.713, 140.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

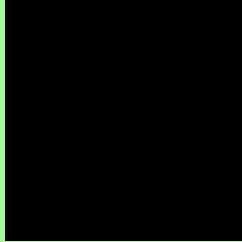
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 51.713, 140.261

Background



This preview shows how black text looks on a background with the CIELCh color 90, 51.713, 140.261.



This preview shows how white text looks on a background with the CIELCh color 90, 51.713, 140.261.

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, 51.713, 140.261

Protanopia
90, 37.767, 95.402

Deuteranopia
90, 21.820, 68.951



Tritanopia
90, 18.581, 230.834

Trichromacy



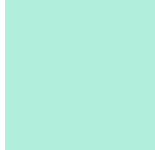
Original Color
90, 51.713, 140.261



Protanomaly
89, 39.299, 116.186



Deuteranomaly
89, 26.359, 113.030

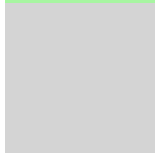


Tritanomaly
90, 22.709, 173.510

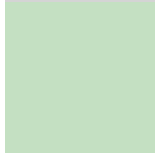
Monochromacy



Original Color
90, 51.713, 140.261



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 18.807, 141.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 51.713, 140.261 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(167, 245, 161)` looks like.

```
.text, #text, p{  
    color:rgb(167, 245, 161)  
}
```

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(167, 245, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 245, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 51.713, 140.261 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(167, 245, 161) }
```

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

```
.border{ border-color:rgb(167, 245, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 245, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 245, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 245, 161);  
box-shadow:4px 4px 4px 4px rgb(167, 245,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 51.713, 140.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 245, 161) }
```

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

```
.background{ background-color: rgb(167,  
245, 161) }
```

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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