

Converting Colors

CIELCh(93, 59.964, 137.003)

Have a look what the booklet for
CIELCh(93, 59.964, 137.003)
contains.

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Color

CIELCh(93, 59.901, 136.913)

Conversions

Conversions Part 1

Format	Color
Hex	ACFF99
RGB	172, 255, 153
RGB Percent	67%, 100%, 60%
CMY	0.3236, 0.0000, 0.3982
CMYK	0.32, 0.00, 0.40, 0.00
HSL	109°, 100%, 80%
HSV	109°, 40%, 100%
XYZ	58.8172, 82.9670, 43.2444
YIQ	218.5550, -16.7260, -49.3180

Conversions

Conversions Part 2

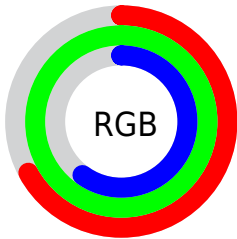
Format	Color
RYB	153, 255, 236
Decimal	11337625
CIELab	93.00, -43.75, 40.92
CIELCh	93, 59.901, 136.913
Yxy	82.9670, 0.3179, 0.4484
Android (android.graphics.Color)	4289527705 (0xFFACFF99)
YUV	218.5550, -32.3186, -40.8287
Hunter-Lab	91.0862, -44.1379, 35.6116

Details

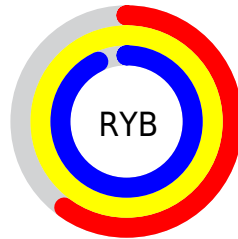
The CIELCh color **93, 59.901, 136.913** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **75, 60.570, 320.959**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 25.583, 129.350**, and **73, 60.209, 136.860** is the 20% darker color. If you saturate the color by 10%, you get **92, 73.784, 136.190**, and if you desaturate by 10%, it is **94, 44.870, 137.573**.

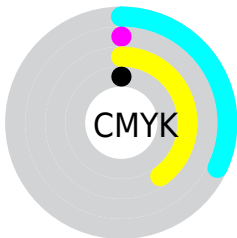
Distribution



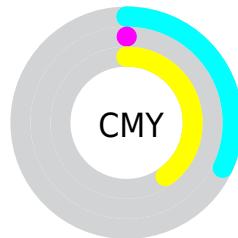
- Red (67%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (93%)



- Cyan (32%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 59.901, 136.913 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 93, 59.901, 136.913 by changing the saturation by 10% instead.


 93, 59.901,
136.913


 93, 59.901,
136.913


 100, 59.901,
136.913


 83, 59.901,
136.913

 73, 59.901,
136.913

 63, 59.901,
136.913

 53, 59.901,
136.913

 43, 59.901,
136.913

 33, 59.901,
136.913

 23, 59.901,

136.913

■ 13, 59.901,
136.913

■ 3, 59.901, 136.913

■ 93, 59.901,
136.913

■ 93, 59.901,
136.913

■ 92, 73.784,
136.190

■ 94, 44.870,
137.573

■ 90, 86.924,
135.502

■ 96, 29.826,
138.189

■ 90, 98.497,
134.922

■ 98, 14.723,
138.741

■ 89, 107.851,
134.578

■ 100, 0.012,
296.813

■ 88, 114.381,
134.597

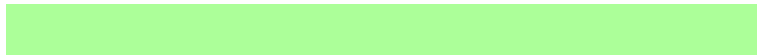
■ 88, 118.041,
134.964

■ 88, 118.092,
134.970

Harmonies

Complementary

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



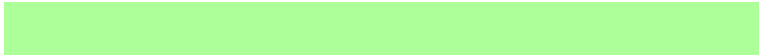
93, 59.901, 136.913



75, 60.570, 320.959

Rectangle

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



93, 59.901, 136.913



93, 59.901, 186.913



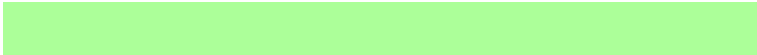
93, 59.901, 316.913



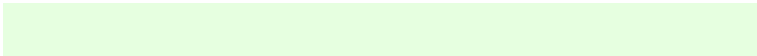
93, 59.901, 6.913

Sweetspot

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



93, 59.627, 136.898



98, 18.005, 138.626



93, 42.113, 95.647



52, 11.950, 138.555



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

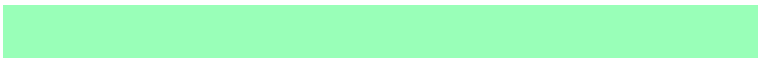
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 59.627, 136.898



92, 71.264, 136.320



92, 50.907, 150.759



52, 8.519, 138.758



68, 94.928, 134.820



23, 42.353, 134.166

Inverse Universe

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



75, 60.570, 320.959



70, 72.502, 321.267



76, 51.476, 337.308



50, 8.564, 319.599



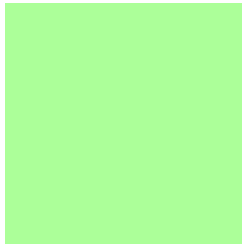
39, 94.690, 321.137



10, 43.429, 321.945

Previews

White Background



This preview shows how the CIE LCh color 93, 59.901, 136.913 looks on a white background.

Color Contrast Check

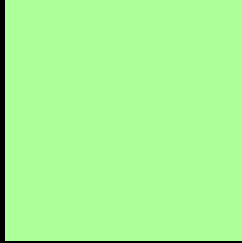
Large Text (above 18pt) WCAG AA × Fail

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 93, 59.901, 136.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

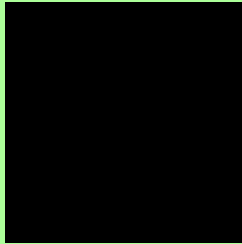
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

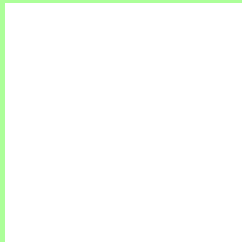
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 59.901, 136.913

Background



This preview shows how black text looks on a background with the CIELCh color 93, 59.901, 136.913.

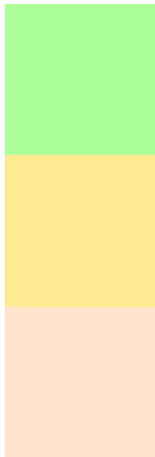


This preview shows how white text looks on a background with the CIELCh color 93, 59.901, 136.913.

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
93, 59.901, 136.913

Protanopia
92, 45.574, 95.234

Deuteranopia
92, 15.818, 70.819

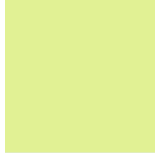


Tritanopia
93, 14.252, 231.849

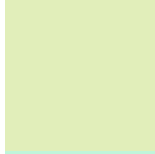
Trichromacy



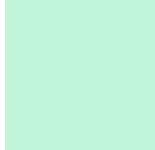
Original Color
93, 59.901, 136.913



Protanomaly
92, 47.266, 114.134



Deuteranomaly
92, 27.072, 118.530

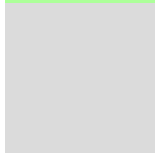


Tritanomaly
92, 23.333, 161.235

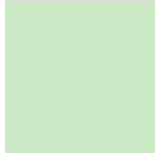
Monochromacy



Original Color
93, 59.901, 136.913



Achromatopsia
87, 0.010, 296.813



Achromatomaly
89, 22.187, 138.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 59.901, 136.913 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(172, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 153)  
}
```

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(172, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 59.901, 136.913 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(172, 255, 153) }
```

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

```
.border{ border-color:rgb(172, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 59.901, 136.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 153) }
```

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

```
.background{ background-color: rgb(172,  
255, 153) }
```

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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